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CATALOGUE

SHOWING THE

SUBJECT OR TITLE

OF

EVERY PATENT

GRANTED BY THE U. S. GOVERNMENT

PRIOR TO THE YEAR 1857;

AND

THE NUMBER ISSUED UNDER EACH TITLE.

ALSO,

TABLES SHOWING THE NUMBER GRANTED TO THE RESIDENTS OF EACH STATE, TERRITORY, AND COUNTRY SEPARATELY: AND THE AGGREGATE NUMBER ISSUED.

By J. S. BROWN, A. M.

5-27355

WASHINGTON:
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Entered according to Act of Congress, in the year 1857, by

J. S. BROWN,

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The present edition of the "*Catalogue of Patents*," not only includes the patents granted in the years 1855 and 1856, additional to those given in the first edition, but it exhibits many additional titles which the limits of the original plan did not allow. Most of these added titles (swelling the number to nearly twice as many as originally given) have been obtained by subdividing the general heads, under which they were stated in the former catalogue. Thus, for example, under the head of "Engines," while there were only 7 titles in the first catalogue, 26 titles are exhibited in this catalogue. It is believed that this extension and subdivision of titles will add greatly to the usefulness of the work. This will also account for the apparent discrepances in the comparative numbers frequently given opposite to the same subject in the two catalogues; especially where the new shows a less number than the old. In a few instances, there were considerable mistakes in the original, which have been corrected in the new catalogue. Great pains have been taken to render this accurate; and it is believed to be as nearly so as the great difficulty in preparing it would allow.

CATALOGUE.

Subject.	No.
Abdominal supporters	9
Accordions	2
Accordions, tuning	2
Account books	1
Account books, keeping	1
Account books, paging	1
Acid and naphtha from rosin, distilling	1
Acid, for dyeing woolens	1
Acid, margaric, stearic & oleic, separating	2
Acid, sulphuric, manufacture of	4
Acid, vegetable, manufacture of	1
Acoustic drums	1
Adding machines	4
Æolian attachments	2
Agricultural apparatus	1
Agriculture, improvement in	1
Ague and fever, specific for	1
Air, apparatus for condensing	1
Air-backs for chimneys	1
Air draught	1
Air flues	1
Air heaters	1
Air, propelling boats by	2
Air rarefied, mode of obtaining	1
Alarm clocks	1
Alarms, burglars'	6
Alarms, electro-magnetic	3
Alarms, fire	1
Alarms for coaches	1
Alarms for indicating want of water in boilers	5
Alcohol as a substitute for oil	1
Alcohol, extracting, mode of	2
Alcohol, preparing for stiffening hats	1
Alcohol, purifying	2
Alembics, vaporous	1
Alkali from ashes, manufacture of	1
Alkali from salt, manufacture of	1
Alkaline chromates, manufacture of	1
Alloys, composition for	1
Alloys for lightning-rod points	1
Alloys of iron, zinc, &c	1
Alum, manufacture of	2
Alumina, sulphate of	1
Amalgamating precious metals	1
Amalgamators	7
Amputating apparatus	1
Anchors	8
Anchors dragging, preventing	1
Anchors, stoppers for	1
Anchors, trippers for	1
Andirons	11
Anglers' combined float and sinker	1
Anglets	1
Annulets	1
Annunciators	5
Annunciators, electro-magnetic	1
Anodynes	1
Anti-friction wheels, application to steam-boats	1
Anvils	5
Anvils, blocks for	1
Anvils, machines for making	1
Apple-paring machines	18
Apples, coring and cutting	1
Apples, cutting	12
Apples, gathering	2
Apples, grinding	2
Apple-slicing machines	2
Aqueducts, lining	1
Archil, preparation of	2
Architecture, naval	2
Areas, irregular, measuring	1
Arithmetic, teaching	2
Ark, safety	1
Armor, submarine	1
Arms and hands, artificial	1
Asbestos, use of in stoves	1
Asclepias Syriaca, use of in maufactures	1
Ashes, leaching	1
Asiatic lenitive	1
Astronomical machines	1
Auger handles and sockets	4
Auger handles, fastenings for	2
Augers	56
Augers, expansive	2
Augers, hollow	1
Augers, machines for making lips of	1
Augers, mining	4
Awl hafts	11
Awnings	2
Awnings for horses	1
Axes	21
Axes, machines for making	2
Axes, mode of testing	1
Axes, pick	2
Axes, polls for	1
Axles, arms for	1
Axles, box-rollers for	1
Axles, carriage	37
Axles, car	7
Axles, modes of lubricating	2
Axles, washers for	1
Axletrees, composition for	1
Axletrees, machines for turning	1
Baby jumpers	2
Baby tenders	1
Backgammon and checker boards	1
Bagasse, drying	3
Bagasse, furnaces for burning	2
Bagasse, furnaces for drying	1
Baggage, securing	1
Bags	2
Bags for separating elaine	1

Subject.	No.
Bags, paper, machines for making	1
Bags, travelling	1
Bakers	14
Balance pedestals, design for	1
Balances	62
Balances, Roman, or steelyards	25
Bales of cotton, floating in rafts	1
Bales of goods, roping	1
Balloons	5
Balls, cannon, of malleable iron	1
Balls for casters	1
Balls, loaded	1
Balls, machines for throwing	1
Balls, manufacture of	1
Ball stocks, printers'	1
Balsam, lavender	1
Bandages, pad	1
Band-boxes, manufacture of	2
Bands, chain	1
Bands for tobacco casks	1
Bands, metallic	5
Bands, non-elastic	1
Bands, spiral	1
Bank notes	2
Bank notes, preventing counterfeits of	1
Bank notes, tables for cutting	1
Barge and army boats, portable safety	1
Barilla from tobacco stems	1
Bark, breaking and grinding	26
Bark for tanning	1
Bark mills	29
Bark, prepartion of	1
Bark, quercitron	1
Bark, shaving, for tanners	1
Barks, extracts from	1
Barometers	1
Barrel heads	1
Barrels, carriages for	1
Barrels, casks, &c	10
Barrels, chamfering	1
Barrels for oil	1
Barrels, gun	4
Barrels, gun, boring	8
Barrels, manufacture of	17
Barrels, metallic	2
Barrels, rolling	1
Barrels, staves for	2
Barrels, turning	4
Barrels, ventilating	2
Bars from rivers, removing	1
Bars, metallic	2
Bars, mosquito	1
Basin cocks	1
Baskets for catching fishes	1
Baskets, fruit	1
Baskets, manufacture of	2
Bas-relief of Henry Clay, design for	1
Bathers, uterine	1
Bathing apparatus	21
Bathing tubs	2
Bathing tubs, design for	1
Baths, cot, elastic	1
Baths, photographic	1
Baths, shower	3
Baths, vapor	11
Batteries, floating	2
Batteries, galvanic	7
Batteries, galvanic, clamps for	1
Batteries submarine	1
Bayonet sockets	1
Beaming hides and skins	2
Beams, metallic	3
Beams, patterns for casting	1
Beams, sheet-metal	1
Bearings, compensation	1
Bearings, composition for	1
Bed-bug destroyers	7
Beds, air	1
Beds, cork	1
Beds, palm-leaf	1
Beds, spring	6
Bedstead bottoms	7
Bedstead fastenings	82
Bedstead pins, manufacture of	4
Bedstead rails, cutting screws on	14
Bedsteads	83
Bedsteads, alarms for	1
Bedsteads, clothes hasp for	1
Bedsteads, designs for	4
Bedsteads for invalids	15
Bedsteads, secret	1
Bedsteads, sofa	18
Bedsteads, tightening	2
Bedstead, wardrobe and bureau, combined	2
Bedsteads, windlasses for	3
Beds, warming	1
Beef, dried, apparatus for cutting	2
Beef, salting	1
Beef spreaders	1
Beef-steaks, preparing for cooking	1
Bee hives	87
Bee houses	4
Bee lanterns	1
Bee protectors	1
Bees, management of	7
Beer, brewing	3
Beer, compositions for	4
Beer fountains	1
Beer from corn	1
Beer, manufacture of, by steam	1
Beer or ale, restoring	1
Beer tuns	1
Beer, vegetable	1
Bellows	30
Bellows for musical instruments	1
Bells	9
Bells, alarm	3
Bells, fog	1
Bells, fog, electro-magnetic	1
Bells for horses	1
Bells for telegraphs	3
Bells, magnetic, alarm	1
Bells, mode of hanging	8
Bells, moulds for casting	1
Bells, pressure	1
Bells, ringing	2
Bells, sleigh, attaching to straps	1
Belts, clasps and couplings for	4
Belts, India-rubber	1
Belts rope	1
Benches	5
Benches for gas retorts	1

Subject.	No.
Benches, hooks for	1
Benches, rests for	1
Benches, shoe	2
Bending mast and truss hoops	1
Benzole vapor, for lights, manufacture of	4
Bevel gear, universal	1
Bevelling metallic strips	1
Bevel surfaces, sawing	2
Bilges, levers for supporting ships'	1
Bilge water, apparatus for discharging	2
Bilge ways	1
Bill holders	1
Billiard cues	1
Billiard tables	1
Bill registers	1
Bills of credit	1
Bills of exchange	1
Binders for newspapers	1
Binding grain, machines for	3
Binding, ornamental	1
Binnacle lights	3
Bit and brace combined	2
Bit braces	9
Biting figures on steel cylinders, for calico printing	1
Bits, adjusting in carpenters' planes	1
Bits, auger	2
Bits, centre	1
Bits, expansive auger	3
Bits, fasteners for	2
Bits, spiral, for cutting screws	1
Bitterings from salt kettles, separating	1
Bitters, jaundice	1
Bitumen, extracting oil from	1
Blacking	2
Blacking, stove	1
Blades for mowing	1
Blankets	3
Blanks for bank notes	1
Blasting	10
Blast machines	2
Bleaching	15
Bleaching apparatus	1
Bleaching ivory	2
Bleaching leather	1
Bleeding with leeches	1
Blind fasteners	91
Blind horses, curing	1
Blind rods, machines for wiring	1
Blind slats, machines for making	2
Blinds, machines for cleaning	1
Blinds, window	35
Blinds, window, metallic	1
Block letters	1
Blocks, building	1
Blocks for printing in colors	1
Blocks for printing on cotton	1
Blocks, hoisting	1
Blocks, last, mode of releasing	1
Blocks, nipper, self-acting	1
Blocks of wood, for paving	1
Blocks, ships'	34
Blocks, stereotype	8
Blood, purifying the	2
Bloomeries	1
Blowers, steamboat	1
Blowers, coal	1
Blowers, fan	1
Blowers, forge	1
Blower stands, designs for	1
Blowing and striking machines	1
Blowpipes	3
Blowpipes, dentists'	1
Blowpipes, furnace	4
Blowpipes, hydrogen	1
Blowpipes, tables for	1
Blubber knives	2
Blubber, machines for cutting	3
Boards, binders'	3
Boards, binders', paste for	1
Boards, binders', shearing	1
Boards, grooving	3
Boards, jointing	1
Boards, seasoning	2
Boat framers	1
Boats	30
Boats, anti-steam	1
Boats, attaching and detaching	2
Boats, canal	29
Boats, canal, propelling	8
Boats, catches for tow-lines of	1
Boats, collapsible	1
Boats, ferry, guards for	1
Boats, gutta-percha	1
Boats, lading and unlading	3
Boats, life	13
Boats, propelling	144
Boat wharves	1
Bobbins	10
Bodkins	1
Bog and bush cutting machines	1
Bogging machines	5
Boilers, alarms for indicating height of water in	7
Boilers, evaporating	5
Boilers for culinary purposes	36
Boilers, preventing explosions of	20
Boilers, steam	152
Boilers, stone, for chemical purposes	1
Boilers, supplying water to	6
Boiling and washing	1
Boiling liquids	1
Bolters	16
Bolts	5
Bolts, dies for making	1
Bolts, feeding apparatus for	1
Bolts, machines for heading	3
Bolts, machines for making	27
Bolts, machines for trimming	1
Bombs	1
Bombs, submarine	1
Bones, apparatus for setting	1
Bonnet frames	3
Bonnets	3
Bonnets, pressing	2
Book safes	1
Books, backing	5
Books, binders' press for	1
Books, binding	6
Books, clasps for	1
Books, covers of	2
Books, cutting leaves of, machines for	1

Subject.	No.
Books, machines for turning leaves of	3
Books, machines for paging	13
Books, machines for trimming	2
Booms	1
Boot and shoe counters, machines for skiving	1
Boot counters	2
Boot frames	1
Boot jacks	3
Boots, lasting, machines for	2
Boot legs	1
Boots and shoes	6
Boots and shoes, attaching gutta-percha soles to	2
Boots and shoes, attaching metallic heels to	1
Boots and shoes, attaching soles to	1
Boots and shoes, composition soles for	1
Boots and shoes, cutting	2
Boots and shoes, cutting out soles for	2
Boots and shoes, heels for, machines for forming	1
Boots and shoes, heels of, machines for rasping	1
Boots and shoes, machines for making	8
Boots and shoes, manufacture of	41
Boots and shoes, of India-rubber	5
Boots and shoes, polishing soles of	1
Boots and shoes, preparing leather for	1
Boots and shoes, soles for	11
Boots and shoes, trimming	2
Boots, cork soles for	1
Boots, cutting pegs out of	3
Boots, formers for	1
Boots for the stage	1
Boots, gaiter	1
Boots, heels for	5
Boots, legs of, machines for turning	1
Boots on lasts, mounting the uppers of	1
Boots, planes for	1
Boots, spring shanks for	1
Boot stretchers	1
Boots, water-proof composition for	1
Boot trees	15
Borax, manufacture of	1
Boring and tapping for water under hydrostatic pressure	1
Boring and elevating earth	1
Boring and mitring	1
Boring and pointing posts and rails	1
Boring cylinders	1
Boring fence posts	1
Boring machines	62
Boring machines, speeders for	1
Boring rocks	13
Boring tools	2
Bottles	3
Bottles, black-glass	1
Bottles, clay, manufacture of	1
Bottles, corking apparatus for	2
Bottles, design for	1
Bottles, fastenings for	5
Bottles, forming screw threads on	1
Bottles, labels on, design for	1
Bottles, machines for cleaning	4
Bottles, mineral-water	1
Bottles, ring and gudgeon for	1
Bottles, stoppers for	4
Bougies	1
Bowls, wooden, machines for turning	1
Bows, violin	1
Boxes, axle	41
Boxes, axle, making of glass	1
Boxes, ballot	1
Boxes, cylindrical	1
Boxes for pulleys	1
Boxes, instruments for opening	3
Boxes, machines for cutting out corners of	1
Boxes, machines for joining corners of	1
Boxes, marking	1
Boxes, paper, machines for making	3
Boxes, prismatic, removing	1
Boxes, sugar	1
Boxes, wooden, manufacture of	7
Box traps	1
Bracelets, clasps for	1
Braces, body and shoulder	6
Braces for connecting rods	1
Braces, metallic	1
Brackets, ornamental, designs for	3
Brad-cutting machines	8
Braiding machines	11
Brakes, car and carriage	88
Branding irons	3
Brandy, imitating	1
Brandy, manufacture of	1
Bran dusters	10
Bread cutters	1
Bread-finishers	1
Bread-knives	1
Bread, manufacture of	7
Bread soup, portable	1
Breakers, coal	1
Breakers, ice	1
Breast pins	1
Breast pumps	12
Breasts, artificial	2
Breech pins	1
Brewing	3
Brick and tile machines	13
Brick machines	214
Brick moulds, design for	1
Bricks	4
Bricks as air conductors	1
Bricks, burning	1
Bricks, coloring	1
Bricks, compositions for	2
Bricks, cornice	1
Bricks, cut	1
Bricks, fire-proof	4
Bricks, fire-proof, machines for making	1
Bricks, frames for	1
Bricks, hand-moulds for making	1
Bricks, moulding by concussion	1
Brick strikers	2
Bricks, tempering	1
Bridges	88
Bridges, draw	1
Bridges, safety, ferry	1
Bridges, swing	1
Bridle bits	3
Bridle reins	1
Bridles	1

Subject.	No
Bridle winkers	1
Bristles, cleaning and assorting	3
Bromine, manufacture of	1
Bronchitis, cure of	1
Bronze powder, manufacture of	1
Broom corn, machines for preparing	6
Brooms, manufacture of	21
Brushes, blacking	1
Brushes, cleaning, traveller for carding machines	1
Brushes, design for	1
Brushes for blending colors	1
Brushes for cotton gins	1
Brushes, fountain	1
Brushes, hair	2
Brushes, manufacture of	11
Brushes, paint	1
Brushes, scrubbing	1
Brushes, shaving	1
Brushes, shoe	1
Brushes, tooth	1
Buckets	2
Buckles for harnesses	26
Buckles for suspenders	6
Buckles, machines for polishing	1
Buckles, machines for making	5
Buckwheat, machines for cleaning and hulling	3
Buds, delaying blossoming of	1
Buggies, jointed bodies of	1
Buggy tops	2
Bugles	2
Buildings, constructing	10
Buildings, covering	1
Buildings, facing	1
Buildings, fire-proof	2
Buildings, heating, by steam	1
Buildings, removing	1
Bulkheads	1
Bulkheads for steam boats	1
Bullet moulds	1
Bullets	2
Bullets, manufacture of	1
Bumpers, car	4
Bungs, machines for making	7
Buoys	2
Buoys, life	1
Bureaus	3
Bureaus, drawers for	1
Burners, anthracite-coal	1
Burners for pine knots	1
Burners for water	2
Burners, gas	13
Burning, compositions for	1
Burning fluids	3
Burning machines	9
Burning, making ornamental figures by	1
Bushes for ships' blocks	1
Bushes, mill	5
Bust of Robert Burns, design for	1
Bust of Jno. C. Calhoun, design for	1
Bust of Jno. C. Fremont, design for	1
Bust of Jenny Lind, design for	1
Bust of Zachary Taylor, design for	1
Bust of Daniel Webster, designs for	2
Butter, composition for preserving	1

Subject.	No.
Butter from firkins, instruments for cutting	1
Butter, making	4
Butter workers	12
Button holes, guides for	1
Button holes, instruments for cutting	1
Buttons, manufacture of	44
Buttons, ornamental, design for	1
Buttons, plates for	1
Cable hooks	1
Cables, chain	10
Cables, relieving	1
Cabooses	12
Caissons for bridges	2
Calashes, balloon, for ladies	1
Calcareous earth, treating	1
Calculating machines	7
Caldron and furnace, combined	1
Caldrons	1
Calendars	2
Calico printing	6
Calking vessels	2
Calipers	3
Caloriferes	1
Camera plates	1
Camera stands, design for	1
Camphor mixture	1
Camphor, refining	2
Canal boats, siphon for freeing from water	1
Canal fees, regulators for	1
Canal locks	23
Canals and mill-dams	1
Canals and rail-roads	1
Canals, construction of	1
Canals, steamboats for running on	1
Canal transportation	1
Cancers, curing	3
Candle moulds	19
Candles	14
Candles, compositions for	1
Candles, dipping	11
Candles from castor oil	1
Candles, many-wick, manufacture of	1
Candles, separating stearine for	1
Candlesticks	8
Candle wicks	3
Candy, manufacture of	4
Cane coverers	1
Cane cutters	4
Cane juice, clarifying	2
Cane juice, expressing	2
Cannonading	1
Cannon locks	1
Cannons	26
Cannons, aiming	2
Cannons, boring	1
Cannons, breech-loading	1
Cannons, charging	1
Cannons, discharging	1
Cannons, lights for	1
Cannons, primers for	3
Cannons, repeating	1
Cannons, rifled	1
Cannon vents	1
Canopies	8
Cans, cotton	2

Subject.	No.
Cans, double-sealing	1
Cans for holding liquids	2
Cans, oil	3
Cans, preserving	11
Cans, sealing	1
Cans, sealing by atmospheric pressure	1
Cans, shoe	1
Cans, soldering	1
Cant-hooks	2
Canvass, frames for stretching	1
Caoutchouc, applying to cloth	1
Caoutchouc, applying to vessels	1
Caoutchouc composition for stereotyping	1
Caoutchouc, covering metals with	1
Caoutchouc, covering ropes with	1
Caoutchouc, cutting into shreds	3
Caoutchouc, devulcanizing	1
Caoutchouc, dissolving	1
Caoutchouc, divesting of adhesive properties	1
Caoutchouc fabrics	5
Caoutchouc, manufacture of	15
Caoutchouc, manufacture of hollow ware from	1
Caoutchouc, manufacturing balls from	1
Caoutchouc, modes of treating	4
Caoutchouc, mode of using oxyde of tin in manufacture of	1
Caoutchouc over-shoes	1
Caoutchouc, rendering fluid	1
Caoutchouc, rolling	1
Caoutchouc, shearing	2
Caoutchouc, softening	1
Caoutchouc, spreading	1
Caoutchouc springs	2
Caoutchouc, vulcanizing	3
Caoutchouc, working and cleaning	2
Caps, cloth, water-proof	1
Caps, percussion	1
Caps, percussion, machines for making	2
Capstans	12
Cap visors	1
Carbon from chimneys, removing	1
Card boards	3
Carding, composition applied to	1
Carding machines	62
Cards, business, supplying to boxes	1
Cards, clothiers', trimming	1
Cards, cotton	2
Cards, cotton, grinding	1
Cards, flats for	1
Cards, machines for dealing	1
Cards, wool	2
Card teeth, cleaning	1
Card teeth, machines for grinding	4
Card teeth, machines for making	5
Cargoes, determining the weight of, in vessels	2
Cargo ports for vessels	1
Carpentering, art of	1
Carpet-bag frames	1
Carpet bags	1
Carpet bags, clasps for	1
Carpet fastenings	4
Carpets	19
Carpets, designs for	6
Carpets, fabrics for laying under	1
Carpets, machines for cleaning	2
Carpets, machines for finishing	1
Carpets, manufacture of linings for	1
Carpets, paper	1
Carpets, securing to floors	1
Carriage bodies	10
Carriage bodies, hanging	18
Carriage braces	1
Carriage couplings	1
Carriage cramps	2
Carriage hold-backs	1
Carriage plates	1
Carriages	51
Carriages, annunciators for	1
Carriages, circles for turning	1
Carriages, couplings for four-wheeled	5
Carriages, detaching horses from	10
Carriages, extension reaches for	1
Carriages for descending hills	2
Carriages for measuring distances	1
Carriages for removing heavy bodies	1
Carriages, gearing	1
Carriages, gun	5
Carriage shafts	1
Carriages, hand	1
Carriages, land and steam	2
Carriages, locomotive	2
Carriages, machinery for making	1
Carriages, manual four-wheeled	1
Carriages, mode of preventing rattling of	1
Carriages, overcoming obstructions with	1
Carriages, perches for	1
Carriages, propelling	5
Carriages, regulating speed of	1
Carriages, releasing	2
Carriages, rolling-lever	1
Carriages, safety	1
Carriage seats	3
Carriages, spring braces for	1
Carriages, steam	1
Carriage steps	1
Carriages, suspending	1
Carriage tops	5
Carriage tops, raising	3
Carriages, travelling	1
Carriage trucks	1
Carriages, two-wheeled	1
Carriage weights, sustaining	1
Carriage windows	1
Car couplings	39
Car bodies	1
Car doors	1
Car-doors, fasteners for	1
Cargoes, weighing	1
Cars	52
Cars, circular	2
Cars, collision apparatus for	1
Cars, deflectors for	2
Cars, dumping and self-loading	10
Car seats	25
Cars, excluding dust from	3
Cars for inclined planes	1
Cars for moving weights	1
Cars for passing over elevations	1
Cars for protecting passengers	1

Subject.	No.
Cars for removing gravel	1
Cars for turning curves	2
Cars, frames for	1
Cars, head supporters for seats of	1
Cars, platforms for	2
Cars, propelling	3
Cars, railroad, employing momentum of to start again	1
Cars, replacing on tracks	4
Cars, retaining on tracks	1
Cars, safety	2
Cars, safety attachment in front of	1
Cars, self-adapting	1
Cars, self-guiding	1
Cars, supporting bodies of	1
Cars, ticket boxes for	2
Cars to run on one rail	1
Cars to run on streets	1
Car trucks	16
Cartouches	3
Cartridges	12
Cartridge openers	1
Carts	7
Carts, self-loading	7
Carts, weighing	3
Carving machines	6
Carving machines, bits for	1
Cases, miniature	1
Cases, metallic	1
Casks, turning out of solid pieces	1
Casters, furniture	8
Casters, table, designs for	2
Casting metals, &c	17
Catamenial supporters	1
Cataracts, removing	2
Catches and clasps	11
Catheters, metallic	1
Catholicons	1
Cattle, clasps for leading	1
Cattle mills	1
Cattle stalls	1
Caviar, preparation of	1
Ceilings, fire-proof	3
Cellars and vaults, constructing	1
Cement, elastic	1
Cement for blocks and pillars	1
Cement for imitating marble	1
Cement for masts	1
Cement for paint	1
Cement for walls	1
Cement for wood	1
Cements	4
Cements, fire-proof	2
Cements for cisterns	2
Cements for roofs	5
Cements, hydraulic	16
Cements, manufacture of	2
Cements, resinous	2
Cement, three-fold	1
Centre boards for ships	6
Centrolineads	1
Chain frames	1
Chain locker-pipes	1
Chains, links for	1
Chains, manufacture of	10
Chains, safety, for hauling over ships	1
Chains, watch	2
Chair and crib, combined	1
Chair bottoms	2
Chairs, accoucheurs'	3
Chairs, cabin	1
Chairs, dental	3
Chairs, enema	1
Chairs, folding	1
Chairs for exercising	2
Chairs, head-rests for	1
Chairs, invalids'	6
Chairs, library	1
Chairs, manufacture of	42
Chairs, marine	1
Chairs, nursery	1
Chairs, railroad	17
Chairs, rocking	4
Chairs, surgical	1
Chaise-bodies, Grecian	1
Chandeliers	2
Chandeliers, designs for	4
Channels, deepening	1
Charcoal burners	1
Charcoal, manufacture of	4
Charcoal, obtaining heat from	1
Charcoal, preparing for gun-powder	1
Chargers for fire-arms	3
Check bolts	1
Checks, blanks for	4
Checks for preventing forgeries	1
Cheese cutters	6
Cheese hoops	5
Cheese nets	1
Cheese shelves	1
Cheeses, mode of covering	1
Cheeses, turning and making	1
Cheese vats	1
Chemises	3
Chickens, apparatus for feeding	2
Chickens, hatching	1
Child's whistle, design for	1
Chills for casting	1
Chimney and stove, combined	1
Chimney caps	15
Chimney cowls	7
Chimney dampers	3
Chimneys	15
Chimneys, increasing draught in	5
Chimneys, preventing smoking of	14
Chimneys, protecting from water	1
Chimneys, safes for	1
Chimneys, scrapers for	1
Chimneys, sweeping	10
Chimneys, ventiducts for	1
Chimney tops	1
Chisels	2
Chisels, mode of uniting to a mandrel	1
Chlorine, cosmetic	1
Chlorine, manufacture of	1
Chlorine, neutralizing	1
Chocolate, grinding	2
Chocolate, moulding	1
Chromates	2
Chronometers	4
Chucks	3
Churn doors, design for	1

Subject.	No.
Churns	270
Cigar fillers	1
Cigars, machines for making	1
Cigars, manufacture of	4
Cigars, self-lighting	1
Circle plates, casting	1
Circumferenters	1
Cider mills	37
Cirsocele, treatment of	1
Cisterns	12
Cisterns, arches for	2
Cisterns for boiling	1
Clamps, bench	2
Clamps, carpenters'	2
Clamps for holding paper	1
Clamps, plumbing	1
Clamps, shoemakers'	2
Clap-boards	1
Clap-boards, machines for making	15
Clasps for saw mills	1
Clavicle adjusters	1
Clay, fire-proof	1
Clay machines	2
Clay, moulding	1
Clay pipes	1
Clay, potters', manufacture of	2
Clay, preparing for making alum	1
Clay, working	14
Clevises	16
Climbing machines	1
Clips for paper	1
Clocks	77
Clocks, astronomical	1
Clocks, calendar	2
Clocks, designs for	10
Clocks, escapements for	1
Clocks, plates for	1
Clogs or pattens	1
Clothes clamps	3
Clothes, cutting	10
Clothes horses	4
Clothes lines	1
Clothes pins	6
Clothes pins, machines for making	2
Clothes, pressing	1
Clothes, scouring	2
Cloth, bricking	1
Cloth, dressing	12
Cloth, dressing in gig mills	1
Cloth, elastic, manufacture of	1
Cloth, folding	11
Cloth, forming felt of	1
Cloth, forming web of	1
Cloth, fulling	2
Cloth, graduated cutter for	1
Cloth, gum-elastic	2
Cloth, manufacture of	6
Cloth, napping	37
Cloth, ornamental	4
Cloth, painting	1
Cloth, reducing worn-out	1
Cloth, sewing a running stitch on	1
Cloth, shearing	1
Cloth, taking wrinkles out of	1
Cloth, tentering	7
Cloth, voluted, manufacture of	1

Subject.	No.
Cloth, washing	1
Cloth, winding up	1
Cloth, water-proof compositions for	2
Clover, gathering	1
Club feet, apparatus for curing	3
Clutches	8
Coaches	7
Coaches, mail	3
Coach-lace, looms for weaving	1
Coal, anthracite, combustion of	2
Coal, anthracite, cracking	1
Coal, breaking and screening	9
Coal, cannel, making oil from	1
Coal, conveying	1
Coal covers	2
Coal, dumping	2
Coal hods	2
Coal, hoisting	2
Coal holes, safety	1
Coal, oil from, apparatus for making	1
Coal scuttles	2
Coal sifters	6
Coat blocks	1
Coat forms	1
Cob cutters	1
Cob mills	1
Cockeyes for harnesses	1
Cocks	47
Cocks, molasses	3
Cocoa grass, destroying	1
Cocoanut cutters	1
Cocooneries	7
Coffee and tea pots, design for	1
Coffee mills	20
Coffee pots	7
Coffee roasters	9
Coffins	5
Coffins for cases of doubtful death	1
Coffins, lodgment in	1
Coffins, metallic	1
Coffins, metallic, designs for	2
Coffins of hydraulic cement	1
Coffins, stone	1
Coins, apparatus for counting	2
Coins, counterfeit, detectors for	3
Coking coal	1
Coking wood	1
Collars, coat	1
Collars, expanding blocks for	3
Collars, harness	29
Collars, horse, moulds for	1
Collars, horse, stuffing	3
Collars, machines for manufacturing	1
Collars, shirt	2
Collisions on railroads, preventing	2
Collodion for photographic pictures	2
Coloring and hardening wood	2
Coloring for paints	4
Coloring maps	1
Coloring matter	1
Coloring, preparation of lime for	1
Columns, cast-iron	2
Comb-dressing machines	2
Combs	27
Combs, cleansing	1
Combs, cutting	11

Subject.	No.
Combs, designs for	5
Combs, hair	1
Combs, ivory	1
Combs, machines for grinding	1
Combs, metallic	8
Combs, ornamental	2
Combs, plates for	1
Combs, pocket	1
Combs, pressing horn for	1
Combs, pressing tortoise shell for	1
Combs, stamps for	1
Combs, trimming	2
Combs, vises for cutting	1
Combs, wooden, manufacture of	1
Combustion for obtaining power	1
Combustion of fuel	1
Compasses	21
Compasses for measuring joints	1
Composing sticks	2
Compound, discoloring	1
Compound, explosive, as a propelling power	1
Compound for felting	1
Compound for pipes	1
Compound, plastic	1
Condensers	19
Condensers, steam-engine	4
Condensers, wool	1
Concentration of milk	1
Conception, instruments for preventing	1
Conduits	2
Cone tubes	1
Confectionery, manufacture of by steam	1
Conical surfaces, dressing	1
Connecting rods	2
Consumption, cure of	1
Cooking apparatus	25
Cooking, generating steam for	2
Cooking ranges	1
Cooking, steam vessels for	1
Coolers, ale and beer	1
Coolers, flour	3
Coolers, water	4
Coolers, water, designs for	5
Coopering	6
Coopers' tools	1
Copper, alloying	1
Copper and tin, seaming	1
Copperas, manufacture of	1
Copper sheathing	1
Copper, sheet, seaming	1
Cop spinners	2
Cop tubes	1
Copy-books, binding	1
Copying machines	4
Cordage, cotton	2
Cordage, manufacture of	65
Cordage, pressing tar out of	1
Cordage, uninflammable	1
Cords, couplings for	1
Cords, gutta-percha	1
Cores for casting	5
Cordials, anti-bilious	2
Cordials, gin	1
Cork-cutting machines	9
Corking apparatus	1

Subject.	No.
Corks	1
Corks, apparatus for removing	1
Corks, softening by steam	1
Corn and cob crushers	10
Corn, covering	1
Corn-cutting machines	4
Corn-fodder, cutting	4
Corn, green, shelling	1
Corn hullers	1
Corn husks, preparation of	1
Cornices and mouldings	1
Corns, eradicating	2
Corn shellers	142
Corn, shelling and husking	1
Corn stalks, standing, machines for cutting	1
Corns, tincture for curing	1
Corpses, preserving	1
Corselets for curved spines	1
Corsets	4
Corsets to be worn during pregnancy	1
Cosmetics, manufacture of	1
Cotton batting	2
Cotton, cleaning	35
Cotton, drying	1
Cotton duck, dressing	2
Cotton, gathering	1
Cotton gins	80
Cotton gins, roller	10
Cotton, gun	1
Cotton-inspecting machines	1
Cotton, management of	1
Cotton, manufacture of	1
Cotton pickers	3
Cotton, roping	1
Cotton, roving	1
Cotton scrapers	2
Cotton seed for food, preparing	1
Cotton seed, preparing for planting	1
Cotton, separating	1
Cotton, spininng	2
Cotton stalks, cutting	5
Cotton thinners	2
Cottton thread, covering with wool	1
Cotton wadding, manufacture of	6
Cotton, waste, condensing	1
Cotton yarn, dressing	1
Couches	2
Cough drops	1
Counterfeit notes, detecting	1
Counterfeits, preventing	8
Counterpanes	1
Counters for stores	1
Countersinks	1
Counting machines	1
Couplings, trace	1
Covers for steam tubes, design for	1
Cow catchers	2
Cowls for steamers	1
Cracker and biscuit machines	32
Cradles	11
Cradles, designs for	2
Cradles for unlading boats	1
Cradles, grain	11
Cranes	7
Crank indicators	1

Subject.	No.
Cranks, anti-friction	1
Crank wheels	1
Crayon rubbers	2
Cream, extracting from milk	1
Cream of tartar, preparation of	1
Creepers for walking on ice	1
Croup in poultry, curing	1
Crowbars	1
Crow killers	1
Crozing machines	1
Crucibles	3
Crude oil, distilling	1
Cruppers	1
Crutches	1
Crystallizing tin	1
Cultivators	149
Cultivators, bog-cutting	1
Cultivator teeth	8
Cupid, magnetic	1
Cupping instruments	3
Cupping, mode of	1
Cups and saucers, metallic	1
Curbs, well	2
Curd cutters	2
Curing meat, processes for	4
Current wheels	2
Curriers' knives	13
Curry combs	12
Currying leather	2
Currying leather, composition for	1
Curtain fixtures	18
Curtains	2
Curtains, mosquito	2
Cushions	1
Cushions for billiard tables	2
Cushions, pin	1
Cutlery, cleaning	2
Cutlery, table	2
Cutters	4
Cutters, heel, bolts for	1
Cutters, rotary	2
Cutters, securing to disks	3
Cutting cane, brushes, &c	1
Cutting devices for harvesters	2
Cutting fodder	5
Cutting paper, machines for	3
Cutting presses	2
Cutting presses, bookbinders'	2
Cylinders, multiplying motion by	1
Cylinders, steam	4
Cylinders, toothed, mode of making	2
Daguerreotype apparatus for taking panoramic views	1
Daguerreotype cases	4
Daguerreotype cases, design for	1
Daguerreotype mats, design for	1
Daguerreotype-plate holders	12
Daguerreotype plates	3
Daguerreotype plates, machines for polishing	2
Daguerreotype plates, modes of coating	2
Daguerreotypes, buffing	1
Daguerreotypes, finishing	1
Daguerreotypes, fixing impresssions on	1
Daguerreotypes for stereoscopic views	2
Daguerreotypes, mercury baths for	3

Subject.	No.
Daguerreotypes, mode of coloring	7
Daguerreotypes, taking	13
Dairy coolers	1
Dampers for melodeons	1
Dampers for steam engines	1
Dampers, stove	3
Damping paper for printing	2
Dams	8
Davits, ships'	1
Dead bodies, preserving	2
Dead-eyes, cutting & boring lanyard scores in	1
Delaines, manufacture of	1
Delineators, fac-simile	1
Dental cups, hydraulic	1
Dental forceps	5
Dentists' drills	2
Dentists' instruments	1
Dentrifices	1
Derricks	3
Designs, making on wood	1
Desks	6
Desks, arranging, in school rooms	1
Dial engines	1
Diamonds, setting	1
Diaper pins	1
Dies for cop tubes	1
Dies for etching	2
Dies, metallic	8
Disengaging horses from boats	1
Disinfecting compositions	1
Disks, metallic	1
Dislocations, apparatus for reducing	1
Distances, measuring	1
Distillation of coal with hydrogen gas	1
Distillation, preparing turpentine for	1
Distilleries	105
Distilling by steam	9
Distilling tubs and worms	11
Ditching machines	5
Dividers, proportional	1
Dividing machines	2
Diving bells	3
Diving dresses	7
Diving machines	1
Diving, mode of	1
Divitials for preventing forgeries	1
Docks, dry	53
Docks of horses, holding	2
Doffers	2
Dog power, application of	1
Domes, construction of	1
Door fasteners	17
Door knockers	1
Door plates	5
Doors	13
Doors, closing	5
Doors, metallic blinds for	1
Door springs, design for	1
Door stays	1
Doors, trap	1
Doors, weather strips for	11
Dough, kneading	14
Dough, preparing	1
Dovetailing machines	12
Dowelling bits	1

Subject.	No.
Dowelling instruments	1
Dowels, coopers'	1
Drags for removing stones from bottoms of lakes	2
Draining machines	3
Drawbridges	1
Drawers	1
Drawers, design for	1
Drawers for wearing	1
Drawing boards	1
Drawing instruments	4
Drawing knives	1
Drawing machines	8
Dredging machines	8
Dresses, ladies', cutting	2
Drilling machines	31
Drills, hand	1
Drills, rock	6
Drop bridges	3
Dropsy and epilepsy, cure of	1
Drums for heating	1
Drums for hoisting	2
Drums for machinery	1
Drums for soldering	2
Drums, hemispherical, for mill stones	1
Drying and oxydizing colored goods	1
Drying clothes	2
Drying flour	2
Drying fruit	2
Drying grain	23
Drying paper	1
Ducks, mode of catching	1
Duck, yarn for	1
Dumb jockeys, saddlers'	1
Dumb waiters	1
Dust, removing metallic	1
Dwellings, heating	1
Dyeing	15
Dyeing by steam	1
Dyeing hair, composition for	1
Dyeing hats	4
Dyeing nankeen color	1
Dyeing silk	6
Dyeing with prussiates	3
Dyeing yarn	2
Dyestuffs	2
Dye woods, cutting	18
Dynamometers	2
Dysentery and dyspepsy, cure of	1
Ear, instruments for examining the	1
Ear-rings	1
Earthen ware	3
Earthen ware, removing	11
Eaves gutters	1
Eaves-trough machines	2
Edging wall paper, machines for	1
Edge-keys for boots and shoes	1
Edging metals	3
Education tables	1
Egg beaters	1
Egg-cup stands, design for	1
Eggs, hens', preserving in the nest	1
Elaine and stearine, separating	1
Elastic cloth, manufacture of	1
Electrical apparatus	2
Electrical diaphragms	1
Electrical machines	3
Electricity, copying surfaces by means of	1
Electricity, removing from wool	1
Electro-magnetic engines	14
Electro-magnetism, generating	6
Electrophones	1
Electrotyping	2
Elevators, brick	3
Elevators for fluids	4
Elevators for pots and kettles	1
Elevators for the sick	1
Elevators, grain	4
Elevators, hay	1
Elixirs	3
Ellipses, cutting	1
Ellipsographs	1
Embankments and levees, forming	1
Embossing books	1
Emery, manufacture of	1
Emery wheels, cleaning	1
Emissions, preventing nocturnal	1
Enamel, compounds for	2
Enamelling	4
Engine lights	1
Engines, actuating by bi-sulphuret of carbon	1
Engines, air	15
Engines air and steam	1
Engines, carbonic-acid-gas	1
Engines, crank connections for	1
Engines, cut-off gear for	1
Engines, double-piston	1
Engines, explosive-gas	1
Engines, fire	45
Engines for dividing scales	1
Engines, gas	5
Engines, gas and heated fluid	1
Engines, hydraulic	12
Engines, hydro-pneumatic	1
Engines, inflammable	1
Engines, metres for	1
Engines, mode of actuating	1
Engines, oscillating	11
Engines, oscillating valve for	1
Engines, pneumatic	1
Engines, steam	217
Engines, steam, fire	1
Engines, steam, hydraulic	2
Engines, steam, rotary	129
Engines, vapor	1
Engraving	3
Engraving machines	2
Envelopes	3
Envelope machines	7
Envelopes for bottles	1
Escapements for clocks and watches	5
Etching bank notes	1
Ether, apparatus for administering	1
Evaporating	16
Evaporating boilers	1
Evaporating furnaces	3
Evaporating pans	2
Excavators	98
Exercising machines	8
Explorers, submarine	1
Explosive compounds	1

Subject.	No.
Extension slides for tables	1
Extinguishing fires	12
Extracts, making	3
Eyelet machines	4
Fabrics, bleached, dechlorinating	1
Fabrics, corded, weaving	1
Fabrics, pile, cutting	1
Fabrics, pile, from rags	1
Fabrics, plain and figured, manufacture of	9
Fabrics, printing	1
Fans	3
Fans, automatic	3
Fans, exhausting	1
Fans for bed chambers	1
Fans for rocking chairs	1
Fats and oils hardening	1
Fats and oils, purifying	2
Fats, saponifying	1
Faucets	31
Faucets, anti-frost	1
Faucets, filter	1
Faucets for measuring	1
Faucets, inserting under fluid pressure	1
Febrifuges	1
Feathers, cleaning	19
Fecal matter, disinfecting	1
Feeding apparatus for steam boilers	4
Feeding rollers for machinery	1
Feeding rollers, gearing for	1
Feet, reels for straightening the	1
Feet warmers	2
Fellies, couplings for	2
Fellies, machines for making	33
Felt cloth	3
Felt garments	1
Felt, manufacture of	13
Felt, manufacture of, for ships' bottoms	1
Felt, paper-makers'	1
Felt washers	1
Fence posts	4
Fences	35
Fences, iron	14
Fences, wire, preventing contraction of	1
Fences, wire, design for	1
Fenders	5
Fenders, boat	2
Fermenting	4
Ferrules, cane	3
Ferry boats, guards for	1
Fertilizers	2
Fetters	1
Fibres, combing	1
Fibres, treating	5
Fibrous substances, gilding and plating	1
Fids for ships' masts	1
Figures, cutting in wood	1
Figures, ornamental, burning upon wood	1
File or bill holders	1
Files and rasps, manufacture of	31
Files for papers	4
Files, saw	1
File supporters	1
Filtering apparatus for steam boilers	2
Filters	23
Filters for cane juice	1
Filters for hydrants	1
Filters for medicines	1
Filters, metallic-medium	1
Filters, thermo-hydoric	1
Filters, water	8
Fire alarms	3
Fire arms	105
Fire arms, breech-loading	13
Fire arms, chargers for	1
Fire arms, faucet-breech for	1
Fire arms, magazine	5
Fire arms, manufacture of	2
Fire arms, many-chambered	14
Fire arms, needle	1
Fire arms, primers for	3
Fire arms, revolving and repeating	18
Fire arms, sliding breech-pins for	1
Fire arms, trigger guards for	1
Fire boxes	2
Fire boxes, draught for	1
Fire, carrying in warm weather	1
Fire caverns	1
Fire escapes	8
Fire ladders	3
Fire places	67
Fire-proof compositions	2
Fires, compounds for kindling	1
Fires, machines for kindling	1
Fire places, designs for	4
Fishes, catching	3
Fish hooks	7
Fishing mills, floating and silent	1
Fishing rods	1
Fishing tackle	2
Fishes, spinning bait for catching	1
Fishes, spring bait for catching	1
Fish vessels and nets	2
Flanches for beams	1
Flannels, wetting	1
Flasks for casting bath tubs	1
Flasks for casting tea kettles	1
Flasks, powder	1
Flax and hemp, hackling and dressing	126
Flax and hemp machines	2
Flax and hemp pullers	3
Flax and hemp, rotting	1
Flax and hemp, rotting by steam	1
Flax, bleaching	2
Flax, breaking	6
Flax seed, grinding	2
Flax, swingling	15
Flax, unrotted, hackling	1
Fleams	1
Fliers for roving	1
Fliers for twisting silk	1
Fliers, spindles for	1
Flies, compressors for destroying	1
Flies, killing	1
Floating machines for supplying water	1
Floating wheels	1
Floats for steam boilers	1
Float valves for discharging condensed water	1
Flocks, machines for preparing	6
Floor cloths, designs for	5
Floor cloths, printing	6
Floor plates for malt kilns	1

Subject.	No.
Flour barrels, filling	1
Flour barrels, ventilating	1
Flour elevators	1
Flour packers	2
Flour, preserving	2
Flour sifters	2
Flower pots	1
Flowers, artificial, manufacture of	1
Flues	12
Fluids, bottling by atmospheric pressure	1
Fluids, discharging	2
Fluids, distributing	1
Fluids, drawing	2
Fluids, measuring	2
Fluids, measuring while drawing	1
Flumes	2
Flutes	2
Fly brushes	1
Fly drivers	1
Fly wheels	1
Fomentations	1
Footstools, design for	1
Forceps, dental	2
Forceps, surgical	1
Forebays, regulating	1
Forges	27
Forging machines	6
Forks for handling hot iron plates	1
Forks, gold-diggers'	1
Forks, manufacture of	2
Forks, manure and hay	12
Forms, ellipsoidal, making	1
Forms, ornamental, making	1
Forms, tapering, making	1
Forts, iron, constructing	1
Foundations, laying	1
Fountains and evaporators	1
Fountains, design for	1
Fractures, apparatus for treating	5
Fractures, cure of	1
Fractures in the ankle, cure of	1
Frames, glass, for pictures	2
Frames, window	1
Frames, yarn	1
Freezers, artificial	9
Fretwork, painting	1
Friction cylinders	1
Friction on canal boats, reducing	1
Friction, reducing	3
Friction rollers	9
Fringes, paper, cutting	1
Fringes, shawl, machines for twisting	1
Frogs, railroad	2
Fruit boxes	1
Fruit gatherers	5
Fruit preservers	1
Fuel, artificial	11
Fuel, granular	1
Fuel, modes of burning	3
Fulling, chemical process for	1
Fulling mills	15
Fumiductors	4
Funnels	3
Fur blowers	2
Fur, extracting from skins	2
Fur, extracting hair from	7

Subject.	No.
Furnace feeders	1
Furnaces	188
Furnaces, charcoal	1
Furnaces, designs for	8
Furnaces for burning wet fuel	1
Furnaces for calcining gypsum	2
Furnaces for heating and consum'g steam	1
Furnaces for heating wrought-iron wheels	1
Furnaces for locomotives	1
Furnaces for smelting ores	76
Furnaces for steam boilers	28
Furnaces for treating zinc ore	1
Furnaces for tuyeres	6
Furnaces, glass	4
Furnaces, grate-bars for	2
Furnaces, modes of supplying hot air to	2
Furnaces, preventing an over supply of coal to	1
Furnaces, self-regulating blasts for	1
Furnaces, smoke-consuming	1
Furnaces, soldering	1
Furnaces, supplying fuel to	1
Furnaces, supplying pulverized materials to	1
Furniture, house	1
Furniture ornaments, designs for	3
Furniture, upholstering	1
Furs, cleansing	1
Furs, dressing	13
Fur, substitute for, on undressed skins	1
Fuse sockets for bomb shells	1
Fuses, safety	3
Fuses, tapers for	1
Gaffs, sail	1
Galleys, ships', for distillation of salt water	1
Galvanic instruments	1
Galvanic regulators for steam boilers	1
Galvanic rings	4
Galvanism	2
Galvanism, curing diseases by	6
Galvanism for salivation	1
Gardens, geographical	1
Garlic separators	2
Garments, apparatus for pressing	3
Garments, ladies', fitting	1
Garments, pockets of	1
Garments, woolen, manufacture of	1
Gas apparatus	11
Gas burners, Argand	1
Gas burners, brackets for	1
Gas burners, valves for	1
Gas-burning gridirons	1
Gas cocks	1
Gas, cooking by	1
Gas from cotton seed	1
Gas generators	8
Gas heaters	1
Gas holders	1
Gas lighters	1
Gas, manufacture of	16
Gas metres	12
Gasometers	2
Gas pipes	1
Gas regulators	15
Gas, retorts	7

Subject.	No.
Gates, farm	36
Gates, metallic, design for	1
Gates, modes of opening	7
Gates, paddle	2
Gates, railroad	2
Gates, water	13
Gauges	4
Gauges, engine	3
Gauges for slitting wood	1
Gauges for trip hammers	1
Gauges, pressure	14
Gauges, saw	1
Gauges, shoe-makers'	2
Gauges, turning	1
Gearing	13
Gelatine, manufacture of	1
Genealogy and chronology, representing	1
Generators, steam	31
Geography and astronomy, teaching	1
Gigs	1
Gilding and silvering in dead colors	1
Gilding copper	1
Gilding fibrous substances	1
Gimlet handles	1
Gimlets	5
Gin, manufacture of	1
Girandoles, designs for	3
Glass blowing	3
Glass, composition for	1
Glass cylinders	1
Glasses and lenses	2
Glass furnaces	6
Glass furniture	1
Glass houses	1
Glass, luminous	1
Glass, machines for cutting	1
Glass, manufacture of	9
Glass, moulding	12
Glass, ornamental, painting	1
Glass phials	1
Glass, plate, manufacture of	1
Glass, polishing by fire	1
Glass-polishing machines	1
Glass vases	1
Glaziers' points for glass cutting	1
Glazing composition	1
Globes	3
Globes, design for	1
Globes for teaching geography	1
Glossing	1
Gloves, cutting	1
Gloves, swimming	1
Glucose, manufacture of	1
Glue, manufacture of	5
Gold amalgamators	5
Gold collectors	2
Gold, digging	1
Gold for filling teeth, preparing	1
Gold, machines for beating	2
Gold, process for dissolving	1
Gold refining	2
Gold washers and separators	48
Gold washing, riffle for	1
Gongs	2
Goods, elastic	1
Gouges	1

Subject.	No.
Gout medicines	2
Governors, steam-engine	6
Grain, apparatus for drying	4
Grain, binding	1
Grain carriers	2
Grain, cleaning	9
Grain, elevating	6
Grain gatherers	1
Grain, measuring	1
Grain scourers	1
Grain separators	26
Grain, shouldering	1
Grain washers	1
Grammar, teaching	3
Granaries	2
Grape vines, training	2
Grapples, spring	1
Grappling irons	2
Grass burners	1
Grate and blower, combined	1
Graters	6
Graters, nutmeg	2
Grates	46
Grates and fire-places	2
Grates, designs for	31
Grates for lime kilns	1
Grates, illuminating	1
Grates, kitchen	3
Grates, pendulum	1
Grates, portable	1
Grates, registers for	1
Grates, reverberating	1
Grease cocks	1
Grease, composition for removing	1
Griddles	6
Gridirons	10
Gridirons, gas	1
Grinders, elliptic-spindle	1
Grinding	8
Grinding edge tools	2
Grindstones	3
Grindstones, self-sharpening	1
Gripes for holding leather	2
Grommets	4
Grubs, extracting from land	1
Guano spreaders	1
Guards, railroad	1
Gudgeons	7
Guide posts	2
Guide wheels	1
Guitars	6
Guitars, design for	1
Gum Senegal, factitious	1
Gum Senegal, refining	1
Gums, extracting from unrotted hemp	1
Gun mills	1
Gun powder	14
Gun stocks	1
Gutta percha, preparing and manufacturing	17
Gypsum, applied to cisterns	1
Hair cloth, manufacture of	1
Hair, composition for the	1
Hair, curled, manufacture of	1
Hair, extracting from skins	2
Hair, hackling	1

Subject.	No.
Hair, picking	1
Hair, shaving from deer	1
Hair, treating	1
Hair, treating for weaving	2
Hair-whipping machines	1
Hame fastenings	1
Hame tugs	1
Hames	8
Hammers	9
Hammers, drop	1
Hammers for fire-arms	1
Hammers, forge	5
Hammers, grinding	1
Hammers, heads for	1
Hammers, steam	8
Hammers, stone	3
Hammers, trip	27
Handles for agricultural implements	1
Handles, whip, machines for tapering	1
Harmonicons	1
Harnesses	28
Harnesses, hooks for	1
Harnesses, riveting	1
Harnesses, stuffing	2
Harnesses, traces for	3
Harness pads	2
Harness saddles	4
Harpoons	8
Harpoons, attaching lines to	1
Harpoons, extractors for	1
Harpoons, gun	3
Harrow and roller, combined	1
Harrows	27
Harrow teeth	4
Harvester and thrasher combined	1
Harvesters, clover	9
Harvesters, corn	19
Harvesters, grain and grass	176
Harvesters, hemp	1
Harvesters, rice	1
Harvesters, track clearers for	1
Hatches	3
Hatches, preventing from leaking	1
Hat-blocks	3
Hats, bonnets, &c	1
Hats, buoyant, for life preservers	1
Hats, firemen's	1
Hats, leather	3
Hats, manufacture of	162
Hats, military	2
Hats, palm-leaf	3
Hat-stands, design for	1
Hats, ventilating	4
Hats, water-proof	9
Hats, weaving of grass	1
Hatters' furnaces	3
Hatters' grates	1
Hatters' kettles	2
Hay elevators	1
Hay, loading	3
Hay-making machines	3
Hay, protecting and preserving	4
Head rests for cars	2
Head rests, portable	1
Hearth plates, design for	1
Hearths	1
Hearths for forges	1
Hearths for ships	1
Heat, application of	6
Heat generators	15
Heat, regulating	1
Heat retainer and imparter	1
Heating buildings	18
Heating carriages	1
Heating chocolate ingredients	1
Heating liquids	10
Heating plates for hot pressing	1
Heddles	6
Heddles, wire	6
Hedge trimmers	1
Heel cutters	1
Hemorrhages, instruments for arresting	1
Hemp brakes	46
Hemp, manufacture of from okra	1
Hemp, preparation of	4
Hemp, processes for purifying rotted	2
Hemp, spinning	4
Hemp, tarring	1
Hernia, cure of	2
Hides, bating	3
Hides, breaking	8
Hides, cutting	2
Hides, dressing	2
Hides, hauling	4
Hides, manufacture of ropes from	1
Hides, preparing	2
Hides, protecting from rotting	1
Hides, reels for	1
Hides, rollers for	1
Hides, softening	6
Hides, unhairing	2
Hillers, cotton	1
Hinges	37
Hinges, butt	18
Hinges, design for	1
Hinges, grinding	1
Hinges, machines for making	7
Hinges, picture-case	1
Hinges, spring	1
Hods, coal	1
Hoes	25
Hoeing	1
Hoes, planting	2
Hog pens	1
Hog-slaughtering machines	2
Hoisting machines	8
Holders, last	1
Holders, ticket	2
Hominy machines	8
Hones	2
Hoof expanders	1
Hooks and eyes	12
Hooks, bench	1
Hooks, chain	1
Hooks for bridles	1
Hooks, ship	1
Hooks, tag, for labels	1
Hoops, notching	1
Hoops, planing and tapering	1
Hoops, splitting and sawing	18
Hop frames	1
Hopper blowers	1

Subject.	No.
Horn-splitting machines	2
Horse powers	147
Horses and cattle, modes of breaking in	3
Horses' ears, mode of setting	1
Horses, fastening	1
Horses' hoofs, instruments for paring	1
Horses, improving shape of	1
Horses, machines for stopping	1
Horses, preventing from falling in vehicles	1
Horses, releasing from stables in case of fire	1
Horses' tails, holding up after nicking	1
Horse wheels	9
Hose couplings	7
Hose, manufacture of	11
Hose protectors	1
Hosiery, seamless, manufacture of	2
Hot-water apparatus	3
Houses, compositions for covering bottoms of	2
Houses, portable	4
Hubs	41
Hubs, applying friction rollers to	1
Hubs, attaching to and detaching from	19
Hubs, boring	3
Hubs, boxes for	2
Hullers	1
Hullers, buck-wheat	1
Hullers, clover	97
Hullers, coffee	5
Hullers, cotton-seed	16
Hullers, rice	58
Hurdles for rearing silk worms	2
Husking machines	8
Husking thimbles	1
Husks, splitting for mattresses	1
Hydrant caps	1
Hydrants	22
Hydrants, valves for	2
Hydraulic blowers	3
Hydraulic rams	17
Hydraulic structures	1
Hydrolators	1
Hydrometers	2
Hydro-pneumatic apparatus	3
Hydrostatic, aerostatic apparatus	1
Hydrostatic and hydraulic apparatus	1
Hydrostatic paradoxes	2
Ice, application of to pipes	1
Ice breakers	6
Ice cars	1
Ice cutting	7
Ice, elevating blocks of	6
Ice forming	7
Ice-house floors, constructing	1
Ice, packing and storing	1
Ice, preserving	1
Ice, scraping	1
Ice, steamboats for gathering	1
Igniting by hydrogen and platina	1
Illumination for stair-cases	1
Impressions on metal, producing	1
Impressions, transferring	1
Incubation, artificial	2
Inclined planes, ascending and descending	17
Incrustation in steam boilers, preventing	3
Indicators for railroad stations	1
Indigo, substitute for	1
Inhaling apparatus	2
Inhaling powder	1
Inhaling vapors	1
Ink, coloring	1
Ink holders	1
Inking apparatus	12
Inking ivory, machines for	1
Ink, mode of supplying to pens for ruling	1
Ink, printers'	2
Ink stands	20
Ink stands, fastening to desks	1
Ink, writing	4
Insect insulators	1
Instructors, self	1
Instruments, sharpening	1
Insulators	4
Interest, calculating	1
Iron and copper, uniting with tin	1
Iron, composition for softening	1
Iron drillings in furnaces, using	1
Iron, enamelling, process for	1
Iron for steam-boilers	1
Iron, hoop, straightening	1
Ironing clothes	1
Iron, manufacture of	43
Iron, preserving from oxydation	1
Iron railways, design for	1
Iron, soldering	1
Iron, stamping and forging	1
Iron, uniting to steel	2
Iron ware, annealing	1
Iron, welding	4
Irregular forms, cutting	26
Isinglass, preparation of	4
Ivory, bleaching	2
Ivory, vises for splitting	1
Jack chains	2
Jacks, lifting	18
Japan varnish, applying to leather	1
Jasper, artificial	1
Jewelry, fastenings for	3
Joints, carpenters'	1
Joints for boards	3
Joints for rules	1
Joints for tubes	2
Joints, universal	1
Joints, yielding, for fences	1
Joss-stick, substitute for	1
Journal-boxes, alloys for	4
Journal-boxes, glass	1
Journal-boxes, packing	1
Journals, preventing heating of	1
Jugs, metallic covers of, design for	1
Keels	4
Kettle bails	2
Kettles	9
Kettles, tea	1
Key holes	1
Key holes, protectors for	1
Keys	3
Keys for musical instruments	1
Keys, watch	3
Kilns, brick	15

Subject.	No.
Kilns, charcoal	2
Kilns, drying	10
Kilns, lime	26
Kilns, pottery	1
Kilns, steam	1
Kitchens	5
Knapsacks	2
Knife saws	2
Knife sharpeners and polishers	13
Knitting machines	42
Knitting needles	1
Knives and forks	2
Knives and forks, cleaning	4
Knives, attaching to pistols	1
Knives, grinding	3
Knives, handles for	2
Knives, tempering	1
Knobs, door, &c	46
Knots, machines for tying	1
Label cards	1
Labels for mail bags, dry goods, &c	1
Ladles	1
Ladders	1
Ladders, escape	2
Ladders, firemen's	4
Lagging machines for cutting circles	1
Lamp-black, manufacture of	4
Lamp fillers	1
Lamps	206
Lamps, burning-fluid	4
Lamps, designs for	5
Lamps, extinguishers for	3
Lamps for burning hydro-carbon vapor	2
Lamps for locomotives	2
Lamps, pocket	1
Lamps, rosin-oil	4
Lamp shades	2
Lamps to lanterns, attaching	1
Lances, bomb	1
Lances, revolving	1
Lances, spring	7
Land, clearing	1
Landing nets, for anglers	1
Lanterns	31
Lanyard chains	1
Lap anvils for shoe-makers	1
Lapping machines	4
Lard, preparation of	4
Lasts	4
Lasts, machines for making	4
Latches, door, &c	28
Lathes	88
Lathing buildings	1
Lath machines	32
Laths, metallic	2
Lawns, machines for dressing	1
Lead, red, manufacture of	1
Lead, white, manufacture of	5
Leaf holders	1
Leather and Morocco, polishing	12
Leather belts	2
Leather, compositions for dressing	2
Leather, compositions for preserving	4
Leather, cutting articles from	1
Leather, cutting welts from	1
Leather, enamelling	1
Leather, hammering	1
Leather, manufacture of	18
Leather, pricking	5
Leather, rolling	6
Leather, shaving	8
Leather, silvering	1
Leather, softening	1
Leather, splitting	36
Leather, stamping	1
Leather, stitching	3
Leather straps, creasing	5
Leather, stretching	1
Leather, stripping	3
Leather, uniting	2
Leather, water-proof	6
Leather, whitening	1
Lectography	1
Leeboards	1
Leeches, mechanical	1
Lee-way indicators	1
Legs and thighs, extending	1
Legs, apparatus for setting	1
Legs, artificial	9
Lemonade, making	1
Lenses, adjusting	1
Lenses for lamp chimneys	1
Letters and figures, metallic	1
Letters, block	1
Letters, shaded, making	1
Letters, stamping	1
Levels, fluid	5
Levels, pendulum	1
Levels, plumb	3
Levers, power	17
Lewises	1
Lexidromic pulleys for measuring ships' ways	1
Life pole and firemen's assistant	1
Life preservers	22
Lightning-rod attachments	1
Lightning rods	16
Lightning rods for vessels	1
Light, producing	10
Lights, revolving, for light houses	1
Lights, ships'	6
Likenesses, fixing on monuments	1
Lime, burning	4
Lime, cooking by	1
Lime, hydraulic	1
Lime, spreading	9
Linch-pins	1
Linen, smoothing	2
Lines for guiding boats	1
Liquids, charging with gas	1
Liquids, drawing and corking	1
Liquids, evaporating	1
Liquids, measuring	4
Liquids, preventing boiling over the sides of vessels	1
Liquids, purifying by galvanism	1
Liquids, skimming	1
Liquids, vessels for	1
Liquors, cooling	1
Liquors, determining the strength of	1
Lithography	2
Lithontriptors	3

Subject.	No.
Locking safes to floors	1
Locks and keys	177
Locks, cannon	2
Locks, for fire-arms	32
Locks, pad	15
Locomotives	87
Locomotives, variable exhausts for	4
Logs, setting	3
Logs, ships'	5
Longitude and latitude, finding	2
Looking glasses, silvering	1
Looms	356
Looms for weaving heddles	1
Looms, hand	5
Looms, Jacquard	17
Looms, operating by electricity	1
Lotions	1
Lotteries, drawing	16
Lounges	2
Lozenges, machines for cutting	1
Lubricating compounds	13
Lubricating cylinders of steam engines	1
Lubricating oil	1
Lubricating throstle spindles	1
Lubricators	23
Macaroni, manufacture of	1
Machines for supplying ships with fresh water	1
Mackerel, machines for splitting	1
Magazines, powder	1
Magnesia, preparation of	3
Magnetic cylinders	2
Magnetic fire-alarms	1
Magnetic machines for washing and separating gold	1
Magnetic needles	1
Magnetic toys	1
Mail bags	11
Mail bags, fastenings for	1
Mail bags for railroad way-stations	1
Mail bags, labels for	2
Maize, washing	1
Mallets, screwing and worming	3
Malt, washing	1
Mandrels, expanding	2
Mandrels for lining cylinders with metals	1
Mandrels, guides for	1
Mangles	2
Manifold "letter-writers"	1
Mantle-pieces	3
Mantle-pieces, designs for	2
Manures, artificial	5
Manure carts	3
Manure loaders	2
Manure spreaders	6
Manuscript, copying	1
Maps, coloring	2
Maps, delineating	4
Maps, dissected	1
Maps, exhibiting	1
Marble, artificial	4
Marble, imitating	4
Marquetry	1
Mash, cooling	1
Mashing grain, process for	1
Mashing machines	1
Mashing tubs	6
Mast-hoops, bending	1
Mastic	1
Mastic roofs	1
Masts and spars, telescopic connection of	1
Matches for retaining fire	1
Matches, friction, manufacture of	18
Matches, preventing accidental ignition of	1
Match splints, manufacture of	10
Mats, manufacture of	2
Mattresses	17
Mead, preparation of	4
Measurers	2
Measurers, grain	1
Measurers, leather	1
Measurers, revolving	1
Measurers, self-counting	1
Meat, curing	1
Meat cutters	14
Meat, mincing	3
Meat, smoking	1
Meat tenderers	1
Medallion of Theodore Frelinghuysen	1
Medallion of Franklin Pierce	1
Medallion of Winfield Scott	1
Medallion of Daniel Webster	1
Medical purposes, compositions for	1
Medicine, administering by steam	1
Medicine cases	1
Medicine, compound tincture of myrrh	1
Medicines	7
Medicines, anti-dysenteric	1
Medicines, anti-spasmodic	1
Medicines, apparatus for administering	1
Medicines, astringent	1
Medicines, bitter, tonic	1
Medicines, botanic	2
Medicines, cholera	2
Medicines, diaphoretic	1
Medicines for canker	1
Medicines for preventing hydrophobia	1
Melodeons	13
Mercantile houses, navigating	1
Metallic bodies, treatment of	2
Metallic boxes	1
Metallic slats for blinds, machines for making	1
Metallic solution for preserving wood	1
Metallurgical operations	6
Metal pipes, lining	1
Metals, bending and cutting	46
Metals, burnishing	2
Metals, coating with other metals	1
Metal separators	1
Metals, granulated	1
Metal sheathing	1
Metals, making of unequal thickness	1
Metals, plating	2
Metals, process for treating	1
Metals, punching	1
Metals, rolling, planing and punching	46
Metals, scraping	1
Metres, fluid	25
Mile marks, cast-iron	1
Milk cans	1

Subject.	No.
Milkers' protectors	1
Milking cows, instruments for	3
Milking stools, designs for	3
Milk, preparing for butter and cheese	1
Milk, preserving	1
Milk strainers	2
Mill bushes	5
Milling tools	1
Mills for compressing and grinding grapes	1
Mills for grinding sumach	2
Mills, grinding	228
Mills, paint	17
Mill spindles	16
Mills, pug	1
Mill stones	27
Mill stones, cleaning	1
Mill stones, compound for removing glazing from	1
Mill stones, dressing	36
Mill stones, eyes of	1
Mill stones, hanging	28
Mill stones, vertical lathes for	1
Mill wheels, regulating	2
Mineral-water apparatus	22
Miniature cases	1
Mitre boxes	5
Mitre machines	8
Moccasins	6
Molasses faucets	2
Monuments, casting	1
Monuments, cast-iron, design for	1
Mooring ships	1
Mop heads	8
Mop wringers	1
Mortar, mixing and preparing	12
Mortising machines	91
Mortising chisels	5
Moth killers	1
Motion, changing	1
Motion, communicating	6
Motion, extending	1
Motion, reciprocating	2
Motion, rectilinear, changing to rotary	9
Motion, regulating	2
Motion, rotary, changing to rectilinear	9
Moulding machines, cutter heads of	1
Mouldings	6
Mouldings, cutting	4
Mouldings, ornamental	2
Moulding tools	2
Moulds for casting	14
Moulds for shaping boat timbers	1
Mountings for harnesses	1
Mowing grass under water	1
Mowing machines	62
Mules, for spinning	7
Musical instruments	19
Musical instruments, automatic	1
Musical instruments, bellows for	1
Musical instruments, stringed	1
Musical metronomes	1
Musical notations	6
Music, arranging in books	1
Music stands	2
Music, teaching	1
Mustard, preparation of	2
Nails, covering heads of	1
Nails, horse-shoe, manufacture of	2
Nails, instrument for driving in difficult places	1
Nails, iron and brass, composition for	1
Nails, iron, brass and copper, composition for	1
Nails, machines for making	158
Nails, screw	2
Nails, wrought, manufacture of	16
Napping cloth	37
Navigating rivers	3
Navigation	9
Needles, manufacture of	2
Needles, seine, filing	2
Needles, sewing	2
Nets and seines	6
Nets and seines, machines for making	2
Nets for protecting horses	7
Nets, gill	1
Newspapers, binding	2
Newspapers, printing subscribers' names on	1
Nipper blocks, self-acting	1
Nipples, artificial	1
Nipple shields	2
Nozzles, tapering for exhaust pipes of locomotives	1
Nursing bottles	3
Nut crackers	1
Nut machines	13
Nuts, mode of securing to axles	1
Nuts, polishing	1
Oakum, preparation of	12
Oar heads	2
Oar locks	1
Oars, machines for turning	1
Obstetrical supporters	5
Odometers	10
Oil and spirits of turpentine	1
Oil cans	2
Oil, castor	3
Oil-cloth, manufacture of	6
Oil, factitious	1
Oil feeders	3
Oil filters	1
Oil, fish	1
Oil from cotton seed	5
Oil from poppy seeds	1
Oil, hazel	1
Oil, linseed	3
Oil, paraffine	3
Oil, preparing cotton seed for extracting the	1
Oil, preparing for wool	1
Oil, rosin	4
Oils, absorption of, preventing	1
Oils, coloring for lamps	2
Oils, drying	1
Oils, extracting	5
Oils, lubricating	2
Oils, refining	8
Oil, substitute for, in preparing paints	1
Oil, volatile	1
Oil, whale, mode of detecting adulterated	1
Ointment for cancers	1

Subject.	No.
Ointment for the piles	1
Ointment, mercurial, manufacture of	1
Ointments	3
Oleaginous seeds, preparing for pressure	1
Omnibus protectors	4
Omnibus registers	9
Opium, manufacture of	1
Optical instruments	1
Ore crushers	6
Ores, cleaning	1
Ore separators	2
Ores, granulated lead, treating	1
Ores, smelting	7
Ores, stamping and grinding	6
Ore washers	12
Organ and piano, combined	2
Organs	8
Organs, vocal, improvement of	1
Ornamental borders, casting	1
Ornamental gilding in printing	1
Ornamental railings	1
Ornamental rolls and stamps for book-binders	1
Ornamenting columns	2
Ornamenting textile fabrics	1
Ornamenting walls and ceilings	1
Ornaments from anthracite coal	1
Oven-doors, designs for	4
Ovens	65
Ovens, gas, design for	1
Ox-shoe machines	1
Oxymuriate of lime, preparing	1
Oyster knives	2
Oyster platforms	1
Oysters, cooking	1
Oysters, machines for opening	1
Packages, marking and lettering	1
Packages, spring frames for	1
Packing bark	2
Packing cotton	8
Packing flour	5
Packing machines	2
Packing, metallic	1
Packing, oil-box	1
Packing salt	1
Packing, screw	1
Packings for engines	4
Packing tobacco	1
Paddles, elastic	1
Paddle wheels	57
Pads, glass or earthen	1
Paillasses	1
Pails, manufacture of	1
Painting cloth	1
Painting machines	1
Painting on translucent surfaces	1
Painting rooms	1
Painting walls	1
Paints	28
Paints for lubricating ships' ways, in launching	1
Paints for plastered walls	1
Paints for protecting buildings	1
Paints, galvanic, to protect iron from rust	1
Pales for fences	2
Palm-leaf, machines for splitting	3
Pans, manufacture of	3
Pantagraphs	3
Paper bags	3
Paper boxes	1
Paper cloth, staining	1
Paper, cutting and trimming	43
Paper files	1
Paper hangings	5
Paper, machines for folding	6
Paper, manufacture of	82
Paper, painting on	1
Paper-ruling machines	2
Parallactic instruments	2
Parallel motion for beam engines	1
Parasols	1
Parrel and bow	1
Parti-coloring machines	1
Paste-board, manufacture of	5
Paste for razors	1
Pastils, disinfecting	1
Patterns for casting	2
Pavements	13
Paving machines	1
Pawls, jointed	1
Peaches, peeling and cutting	1
Pearlash, manufacture of	3
Peat diggers	2
Pea vines, gathering	1
Pedestals, fastening to columns	1
Pedometers	1
Peg cutters	1
Pegging jacks	4
Pegging machines	20
Pegs, shoe, machines for making	15
Pen and pencil cases	13
Pencil cases	3
Pencils, compositions for	4
Pencils, ever-pointed	13
Pencil sharpeners	1
Pencils, lead	1
Pencils, machines for making	1
Pencils, marking	1
Pencils, tailors'	1
Pendulums	9
Pendulums for illustrating the motion of the earth	1
Pen holders	10
Penmanship, teaching	1
Pens, design for	1
Pens, double	1
Pens, flying	1
Pens, fountain	21
Pens, gold	2
Pens, metallic	14
Pens, microscopic	1
Pens, ruling	1
Peppermint drops, manufacture of	1
Perambulators	1
Perambulators, nautical	1
Percussion caps	1
Percussion pellets	1
Perspective, instruments for drawing	1
Pessaries	9
Pestle and mortar	1
Phosphoric acid, manufacture of	1

Subject.	No.
Physiognotraces	2
Piano-fortes	117
Piano-fortes, glass strings for	1
Piano-fortes, keys for tuning	4
Piano-forte stools	1
Pickers, cotton and wool	10
Pick-pocket detectors	1
Picture frames	1
Pictures, shading by metallic leaves	1
Pictures, with looking-glass back-grounds	1
Pier-tables, design for	1
Pigments, black	3
Pigments from iron ore	1
Pile drivers	6
Piles, cutting	1
Piles, sawing off under water	1
Pill boxes	1
Pill boxes, machines for making	2
Pillows and bolsters, instruments for putting in cases	1
Pills	2
Pills, anti-bilious	7
Pills, anti-dyspeptic	2
Pills, family	2
Pills, machines for counting	1
Pills, machines for making	6
Pills, rheumatic	3
Pills, tonic	1
Pincers	1
Pincers for weaving pile fabrics	1
Pins, dress	5
Pins, machines for sticking	16
Pins, manufacture of	8
Pins, separating	1
Pins, sewing	1
Pins, sewing on paper	1
Pipe machines	18
Pipes	24
Pipes, clay	24
Pitchers	1
Pitchers, ice	2
Pitchers, molasses	1
Pipes, couplings for	3
Pipes, inserting in the ground without excavating	1
Pipes, introducing wire into	1
Pistols	6
Pistons	20
Pitch, manufacture of	3
Pitmans	1
Pit saws	1
Planes	55
Planes for metals	2
Planes, shoe	1
Planetaria	3
Planing lumber "out of wind"	1
Planing machines	117
Planters and sowers, seed	251
Planters, corn	47
Planters, cotton	18
Planters, potatoe	10
Plants, destroying insects on	2
Plants, use of	1
Plaster mills	4
Plasters, adhesive	3
Plaster, spreading	1

Subject.	No.
Plate-holders	3
Plates for pressing clothes	2
Plates, graphic	1
Plates polishing	5
Plates, stereotype	11
Platforms, flexible	1
Platforms, railroad	1
Plettro lira	1
Pliers, cutting	1
Plotting instruments	3
Plow castings, grinding	1
Plow cleaners	1
Plow, cultivator and planter, combined	1
Plows	472
Plows, hill-side	28
Plows, snow	6
Plugs, ships'	9
Pneumatic machines	3
Pneumatic springs	1
Pocket book and watch safe, combined	1
Pocket books	2
Points, metallic, for removing paint	1
Pokers, fire	1
Poles and leads	1
Poles, life, for fire engines	1
Poles, machines for climbing	1
Poles of carriages, attaching	7
Polishers	11
Polishing, compositions for	4
Polygonal timber, dressing	1
Polygraphs	3
Pontoons	2
Porcelain, composition for mending	1
Portfolios	2
Port-monnaies	3
Post-marking letters, machines for	1
Posts	1
Potash, manufacture of	15
Potatoe diggers	15
Potatoes, grinding	1
Potatoes, preserving	2
Potatoes, washing	3
Pottery, moulding	4
Powder, impalpable	1
Preserving animal substances	4
Preserving butter	2
Preserving iron from rust	1
Preserving meats and fruits	2
Preserving plants from frost	1
Preserving shingles	1
Preserving timber	7
Preserving vessels under water	4
Presses	68
Presses, cheese	57
Presses, cheese and cider	6
Presses, copper-plate	2
Presses, copying	11
Presses, cotton	70
Presses, cotton and hay	21
Presses, cotton and oil	12
Presses, cotton and tobacco	3
Presses, fly-wheel	1
Presses, flour	1
Presses for moulding glass	1
Presses, foundry	1
Presses, hay	18

Subject.	No.
Presses, hydraulic and hydrostatic	5
Presses, lithographic	1
Presses, printing	114
Presses, tobacco	15
Pressing, and raising weights	11
Pressing, art of	1
Printers' forms, locking up	1
Printers' friskets	1
Printers' rules	1
Printing	6
Printing, anastatic	1
Printing and embossing	1
Printing both sides of a continuous sheet	1
Printing checks, to prevent forgery	1
Printing, electrographic	1
Printing music	1
Printing, polychromatic	1
Printing railway tickets	1
Printing subscribers' names on newspapers	1
Printing with metallic powder	1
Privies	7
Privies, mode of emptying	1
Privies, signals for	1
Projectiles	14
Pronunciation of syllables	1
Propellers	57
Protractors	6
Provisions, curing	1
Provisions, preparation of	1
Pruning shears	1
Prussiate of potash, preparing	1
Puddling	8
Pulleys	5
Pulleys, attaching to shafts	2
Pulleys, loose	1
Pulleys, window-cord	1
Pulp machines	5
Pulverizers	4
Pumps	289
Pumps, air	5
Pumps, elevating	1
Pumps, saliva	1
Punching machines	24
Purchases, suspended	1
Purifiers	1
Quadrants	8
Quadrants, gunners'	2
Quartz crushers	10
Quills, weavers'	2
Quilting frames	5
Radiators	4
Rafters	1
Rafts	4
Rags, preparing for paper	14
Railings	11
Railroad gates	1
Railroads, cleaning tracks of	5
Railroad scrapers	1
Railroads, improvements in	41
Railroads, securing rails on	5
Rails for stairs	1
Rails, rail-way	21
Railway bars	2
Railway frogs	3
Railways, atmospheric	2
Railway signals	1

Subject.	No.
Railways, iron, designs for	3
Railways, marine	17
Railways, pneumatic	1
Rake and harrow, combined	1
Rakes for gathering apples	1
Rakes for reaping machines	12
Rakes, hay and grain	19
Rakes, horse	20
Ramrods	2
Ranges, cooking	40
Ranges, designs for	7
Rapid-jacks, for ascending rapids	1
Rasps, peg	1
Ratans, splitting	6
Ratchet levers	1
Rattles, policemen's	1
Razor case and sharpener	1
Razor cases	1
Razors, grinding	1
Razors, manufacture of	1
Razor straps	13
Reading, mode of teaching	1
Reconductors	1
Reeding and fluting machines	1
Reeds for musical instruments	5
Reels	3
Reels for chalk lines	1
Reels for fishing rods	1
Reflectors, metallic	2
Refrigerators	8
Refrigerators for steam and gas engines	1
Registers	1
Registers, designs for	8
Registers, stove	8
Reservoirs, discharging	1
Respiring apparatus	2
Resuscitating apparatus	1
Reticules	1
Retorts	1
Rheumatic liniment	1
Rheumatism, curing	1
Ribbons, manufacture of	1
Rice, reaping	1
Rifles	8
Rifles, scythe	3
Rigging vessels	9
Ring-bolts for ships	1
Rivet machines	22
Roads and streets, clearing	1
Roads, cement for	1
Roads, constructing	6
Roads, macadamizing	1
Roads, repairing	2
Roads, rollers for	1
Roasting jacks	3
Rockets, liquid	1
Rockets, presses for filling	1
Rockets, staffs for	1
Rockets, war, boring	1
Rollers, calender	1
Rollers, covering, for sizing	1
Rollers, feed, for lumber	1
Rollers, land	2
Rollers, vibrating	1
Roofs	8
Rotary engines	1

Subject.	No.
Roofs, covering with metal	11
Roofs, covering with oiled silk	1
Roofs, fire-proof	1
Roofs, metallic, machines for bending metals for	2
Roofs, metallic, supporters for	1
Roofs, shingling	2
Roof tiles	1
Rope machines	18
Ropes, composition for preserving	1
Roving	2
Roving, cotton, machines for laying in cans	2
Rudders	12
Rudders, apparatus for relieving shocks on	1
Ruffles, plaiting	1
Rulers, parallel	2
Rules, measuring	3
Rules, printers'	1
Ruling books	1
Ruling machines	18
Ruling paper	5
Rut scrapers for roads	1
Saccharifying rice, maize, &c	2
Saccharine fermentation	1
Sacking, cotton	2
Sacks, shoulder	1
Saddle and winch, combined, for ships	2
Saddles	80
Saddle-trees	24
Safes, domestic	2
Safes, fire-proof	19
Safes, portable, locking to floors	1
Safes, ships'	1
Safety apparatus	2
Sails	13
Sails, measuring	1
Sails, reefing	3
Sails, regulating	2
Saleratus, manufacture of	1
Salting animal matter	1
Salt, manufacture of	75
Salt-rheum, cure of	1
Salt water, purifying	4
Sand, machines for washing	1
Sand-paper holders	1
Sand-paper, manufacture of	10
Sand, sifting	1
Sap buckets	1
Sashes, balancing	2
Sashes, dressing	1
Sashes, hanging	5
Sash fasteners	32
Sash machines	2
Sash supporters	5
Sausage stuffers	9
Saving oil in machinery	1
Saw and grist mills, combined	3
Saw gummers	14
Saw horses	1
Sawing fire-wood	2
Saw mills	226
Saw-mill dogs	18
Saw-mill gates	3
Saws	71
Saws, dishing	1
Saw sets	14
Saws, filing	4
Saws for bevelled edges	1
Saws for broom heads	1
Saws for clapboards	1
Saws for curved timber	1
Saws, hanging	6
Saws, irregular	1
Saws, spindles for	5
Saws, stone	10
Saws, straining by compressed air	1
Scabbards	1
Scaffolds	5
Scagliola, shining, manufacture of	1
Scalding hogs by steam	1
Scalding hogs, machines for	2
Scale boards, cutting	1
Scales, platform	20
Scarificators	5
School rooms, constructing	1
Scissors	1
Scoops	3
Scouring goods	1
Scows	2
Scrapers	10
Scrapers, cabinet-makers'	1
Scrapers, wad	1
Scraps, melting	1
Screens, fire	3
Screw blanks, machines for assorting	1
Screw-nails	1
Screws	4
Screws and pins, machines for counting	1
Screws, Archimedean	3
Screws, casting	1
Screws, cutting	96
Screws for propelling machinery	2
Screw wrenches	14
Scribing lumber, instruments for	1
Scrofula, medicine for	1
Scrubbing machines	2
Sculptors' apparatus	1
Scurvy, composition for curing	1
Scythe fastenings	15
Scythes	15
Scythes, circular	1
Scythe snaths	13
Scythe snaths, moulds for shaping	1
Scythes, turning or bending heels of	1
Sealing preserve cases	2
Sealing wax	1
Seal-skins, curing	1
Seals, notarial	1
Seals, watch	1
Seaming metals, machines for	1
Seats for public buildings	2
Seidlitz powders, machines for folding	3
Selvedges, double-stitched	1
Seraphines	3
Settees	1
Sewers	5
Sewing birds	2
Sewing birds, design for	1
Sewing butterfly	1
Sewing cloth	1

Subject.	No.
Sewing machines	133
Sewing machines, stitches for	1
Sewing-on bindings	1
Sextants	1
Shade cords, weaving	1
Shades, window	3
Shafts, coupling	1
Shafts in vessels' keels, securing	1
Shafts, sheet-iron	1
Shafts to sleighs, attaching	1
Shafts, tugs or traces for	1
Shafts, wrought-iron	4
Shaves, double-acting	1
Shaving wood	3
Shearing sheep, instruments for	1
Shears	2
Shears, flying	1
Shears for cutting brass	1
Shears for cutting paste-board	1
Shears, rotating	1
Shears, sheep	2
Shears, tailors'	9
Shears, tinners'	1
Sheet-lead, manufacture of	4
Sheet-metal, working	4
Shell or horn, cutting	3
Shells, explosive	1
Shield-pins, securing in shanks	1
Shingle brackets	1
Shingle machines	159
Shingles, blind	1
Shingles, iron	1
Shingles, preserving	1
Ships, construction of	55
Shirts, machines for plaiting	1
Shirts, manufacture of	2
Shirt studs	1
Shirt wristbands	1
Shirt yokes	1
Shoe horns	1
Shoe latchets	2
Shoemakers' knives	1
Shoemakers' stands	1
Shoe racks	3
Shoes, cutting	5
Shoes, horse	8
Shoes, horse, machines for making	23
Shoes, India-rubber	2
Shoes, perpetual patterns for	1
Shoes, stretching	1
Shoes, water-proof	1
Shot and balls, casting	1
Shot and shells, elongated spiral flanges for	1
Shot, chains and cleavers, discharging	1
Shot chargers	3
Shot, manufacture of	12
Shot pouches	1
Shoulder braces	2
Shouldering machines	2
Shoulder irons for shoemakers	1
Shovels	15
Shovel stands, designs for	3
Shrouds of vessels, tightening	1
Shutters	5
Shutters, operating	2
Shuttles	8
Sickles, files for cutting	1
Sick, machines for moving the	1
Sieves	4
Sifters, coal	5
Sifters, sand and lime	1
Sight, renovating and correcting the	1
Signals, electro-magnetic	1
Signals, operating by compressed air	1
Signals, railroad	2
Signals, vessel	5
Signs for lottery offices	1
Silica, dissolving	1
Silk machines	2
Silk reels	11
Silk, removing spots from	1
Silk, staining and printing	1
Silk, twisting	3
Silver, manufacture of	2
Silver ware, manufacture of	1
Silver, washing	1
Sinks	2
Siphons	4
Sirups	2
Size, buckwheat, manufacture of	1
Sizing cloth	2
Sizing, paper, manufacture of	1
Skates	9
Skeins for axles	1
Skirts, ladies'	3
Skiving machines	5
Slabs for fire-bricks and stoves	1
Slag-ware, manufacture of	1
Slate frames	3
Slates, artificial	2
Slates, manufacture of	7
Slats, blind, adjusting	1
Slats, mode of jointing	1
Sleds for transporting ice	1
Sleds, hold-backs for	2
Sleeve fasteners	1
Sleigh runners	10
Sleigh runners, attaching to carriage wheels	1
Sleighs	10
Slitting mills	1
Slitting timber	5
Slivers, reducing wood to	1
Slotting machines	1
Smoke and gases, consuming	3
Smoke houses	1
Smoothing irons	16
Smut machines	145
Snags, removing	2
Snatch-blocks	1
Soap boilers	1
Soap, cutting	2
Soap frames	1
Soap, manufacture of	14
Sockets	2
Sockets for bench hooks	1
Socks	1
Socks for overshoes	2
Soda, carbonate of, preparing	1
Soda, chromate of, preparing	1
Soda fountains	9

Subject.	No.
Soda-powder papers, crimping	1
Soda, stannate of, preparing	1
Sofa bedsteads	6
Sofas	2
Sofas for invalids	1
Sofas, or sliding-joint settees	1
Sofas, rocking	1
Soldering furnaces	1
Soldering in a vacuum	1
Solutions, decocting	1
Sores, curing	1
Sounding boards, for musical instruments	3
Spading machines	1
Spargers, self-acting, for distributing water	1
Spark arresters	87
Speaking tubes	1
Spectacles	12
Speculum ani	1
Speeders	5
Spherometers	1
Spikes	1
Spikes, machines for drawing	1
Spikes, machines for making	40
Spindles for spinning machines	3
Spindles, lubricating	1
Spine, instruments for treating the	5
Spinning cotton, machines for	207
Spinning flax and hemp, machines for	15
Spinning roving, machines for	3
Spinning silk, machines for	10
Spinning wheels	32
Spinning wool, machines for	67
Spirits and wine, ameliorating	1
Spittoons	1
Spittoons, designs for	3
Spit turners	1
Splicing cotton and woolen rolls	1
Splints for baskets	1
Splints, manufacture of	6
Splints, surgical	6
Spoke machines	18
Spoke shaves	3
Spokes in hubs, securing	1
Sponges for artillery	1
Spooling machines	2
Spools	4
Spoon handles	2
Spoons and forks	1
Spoons and forks, designs for	8
Spoons, casting	2
Spoons, designs for	4
Spoons for administering medicines	1
Spoons, manufacture of	18
Spoons, polishing	1
Spring machines, elliptical joints for	1
Spring pulleys	1
Springs, car and carriage	89
Springs, door	24
Springs for garments	1
Springs for upholstery, mode of securing	1
Springs, sash and blind	2
Springs, spiral	2
Springs, spiral, machines for making	1
Spring surfaces, treating	1
Springs, wooden	6
Spurs	1
Square and saw, combined	1
Square, scale, level and bevel, combined	1
Squares, carpenters'	5
Squares, for finding the centres of circles	1
Stables, releasing horses from, in case of fire	1
Stagings, constructing	1
Stagings, swing	1
Stairs, construction of	4
Stalls, horse	1
Stammering, instruments for curing	1
Stamping engravings on horn	1
Stamping patterns	2
Stamps for malleable metals	1
Stamps for marking letters	4
Stamps, hand	4
Stanchions for cattle	1
Stands	1
Stands, hat, design for	1
Stands, writing	2
Staples, securing in walls	2
Starch, manufacture of	6
Statue of Daniel Webster	1
Statues	2
Statues, casting	1
Statues, equestrian	1
Statuette of Burton, as "Captain Cuttle"	1
Stave jointers	7
Stave machines	71
Staves, sawing	24
Stays, ladies'	2
Steam, application of	14
Steamboats	15
Steaming apparatus	4
Steam, regulating the pressure of	1
Steam, shooting by	2
Steam tables	1
Steel, cast, manufacture of	9
Steel, hardening and tempering	6
Steel, manufacture of	10
Steel, revolving	1
Steel, welding	6
Steering apparatus for vessels	38
Stencilling	4
Steps for coaches	2
Stereoscopic cases	2
Stereoscopic medallions	1
Stereoscopic photographs	2
Stereotype compositions	1
Stereotype pans	1
Stereotyping	2
Stethoscopes	1
Sticks, tapering, cutting	1
Stiles, sash, mortising	1
Stirrups	6
Stirrups for saw pitmans	1
Stocks, gun, manufacture of	5
Stocks, neck	12
Stone, applying colors to	1
Stone, artificial	8
Stone, breaking	2
Stone, channelling, machines for	1
Stone, cutting and dressing, machines for	47
Stone, drilling	7
Stone in the bladder, eradicating	1

Subject.	No.
Stone, machines for carving	3
Stone, machines for sawing	54
Stone paste-board, manufacture of	1
Stone picks	1
Stone, polishing	8
Stone-ware, burning	1
Stone-ware, manufacture of	1
Stools, piano-forte	2
Stoppers, cable	7
Stoppers, elastic-cable	1
Stores, preserving from fires	1
Stove blacking	1
Stove pipes	16
Stoves	274
Stoves, anthracite-coal	27
Stoves, cooking	419
Stoves, designs for	543
Stoves, foot	6
Stoves for carriages	1
Stoves for tailors' use	2
Stoves, gas	3
Stoves, non-radiating	1
Stoves, ventilating	2
Strabismus, goggles for	1
Straps for pantaloons	1
Straps, leather, fastenings for	1
Straps, machines for edging and creasing	5
Straps to suspenders, attaching	4
Straw, bleaching	1
Straw bonnets, pressing	5
Straw, braiding	2
Straw cutters	173
Straw, machines for cleaning	2
Straw, weaving with silk and thread	1
Streams of water, raising by other streams	1
Street sprinklers	3
Street-sweeping machines	13
Strikers, blacksmiths'	5
Studs, shirt	1
Stuffs, uniting fibres of by adhesive mixtures	1
Stump extractors	26
Submarine passages	1
Sugar boilers	11
Sugar, breaking	1
Sugar, loaf, cutting	1
Sugar, manufacture of	18
Sugar moulds	3
Sugar pans	5
Sugar pipes	1
Sugar, refining	7
Sulky seats	1
Sulphuric acid, manufacture of	1
Sulphur, sublimating	2
Sumach, preparation of	5
Sun dials	3
Sun-flower seeds, &c., as a substitute for tobacco	1
Supporters for invalids	1
Surfaces, rubbing	2
Surgical operations	1
Surveying instruments	4
Surveys, hydrographic	1
Suspenders for encircling the waist	1
Suspenders, manufacture of	17
Swaging machines	2
Sweeping gutters, machines for	2
Switches, railroad	27
Swivel hooks	1
Swivel screws for steam engines	1
Swivels, watch-chain	2
Sword canes	3
Syphilis, cure of	3
Syringes, bottle	1
Syringes, enema	5
Syringes, eye-bath	1
Syringes, showering	1
Table and bedstead, combined	2
Table and chair, combined	1
Table and desk combined	1
Table and sofa, combined	1
Tables	11
Tables, caloric	1
Tables, designs for	4
Tables, extension	9
Tables, ladies' work	1
Tables, self-waiting	3
Tables, ship	3
Tables to hold bank notes	1
Tacks, machines for leathering	1
Tailoring, art of	5
Tailors' benches	1
Tailors' measures	46
Tallow composition	1
Tallow, cutting	1
Tallow, hardening	1
Tallow, preparing	3
Tally, machines for keeping	1
Tanks for supplying locomotives with water	1
Tannate of lime, preparing	1
Tannin, extracting from bark	4
Tanning	97
Tansy, essence of, extracting	1
Tan vats	10
Tan yards	7
Tassel moulds, compositions for	1
Tape primers, percussion	1
Tapestry, printing yarns for	1
Tape-worm traps	2
Tapping fluids under pressure	2
Tapping gas pipes	1
Teeth and gums, mode of obtaining casts from	1
Teeth, artificial	22
Teeth, composition for filling	1
Teeth, compounds for preserving	2
Teeth, extracting	12
Teeth, freezing mixture to, applying	1
Teeth, keeping free from saliva	1
Teeth, preventing from decay	1
Teeth, punches for setting	1
Teeth, setting	10
Teeth, setting by atmospheric pressure	1
Telegraphic guides, gauges for	1
Telegraph insulators	6
Telegraph posts	1
Telegraphs	4
Telegraphs, domestic	2
Telegraphs, electro-chemical	2
Telegraphs, electro-magnetic	23
Telegraphs for tide gauges	1

Subject.	No.
Telegraph signals	2
Telegraphs, printing	7
Telegraph wires, compositions for coating	1
Telegraph wires, discharging atmospheric electricity from	1
Telegraph wires, painting	1
Telegraph wires, suspending	1
Telescopes	2
Telescopes, submarine	1
Temperature, regulating	1
Temples, weavers'	8
Tenders, locomotive	1
Tenons, machines for cutting	23
Ten-pins, setting up	3
Tentering cloth	3
Tent frames	1
Tents for excluding insects	1
Terrets	1
Theodolites	3
Thermostats	1
Thigh fractures, apparatus for	1
Thills, attaching to axles	16
Thimbles	4
Thimbles for rigging	3
Thrashing clover	23
Thrashine machine and cider mill, combined	1
Thrashing machine and grist mill, combined	1
Thrashing machine and straw cutter, combined	2
Thrashing machines	344
Thread and twine, manufacture of	12
Thread, winding	1
Throstles for spinning	3
Tide alarms	1
Tide gauges	3
Tide mills	12
Tiles, cutting	1
Tiles, manufacture of	3
Timber, bending	11
Timber dressing	2
Tinder boxes	1
Tin-foil, manufacture of	1
Tin, manufacture of	2
Tin-plate, coating with lead	1
Tin-ware, manufacture of	18
Tires	15
Tires, bending	2
Tires, clamping	2
Tobacco, manufacture of	35
Tobacco, substitute for	1
Toggle joints	1
Toilet furniture	2
Tombs, cast-iron, design for	1
Tongs	2
Tonguing and grooving machines	16
Tonsil instruments	3
Tool holders	6
Tools for boring caster recesses	1
Tools for grinding	2
Tools for grinding and polishing	1
Tools for grooving	1
Tools for index lettering	1
Tools for mortising	1
Tools for tenoning	1
Tools for watch-makers	1
Tools, manufacture of	4
Top-plates of carding engines, cleaning	1
Toothache, relieving by steam	1
Toothache remedies	2
Topsails, extra-guards for	1
Topsails, reefing	2
Tops, pepper-box	1
Tops, whistling	1
Torch lamps	1
Torpedoes	1
Tourniquets	1
Tow-boats	2
Towel stands, designs for	2
Towing boats	8
Tow-lines	4
Track clearers, railroad	3
Trade marks	1
Transporting weights	2
Trap-doors	1
Traps, fish	1
Traps, fly	6
Traps, mole, design for	1
Traps, rat	9
Traps, roach	1
Traps, steam	1
Traps, stench	1
Tread mills	2
Tree-nails	7
Trees, felling	4
Trees, preventing destruction of	4
Trees, tearing up	1
Trigonometers	2
Troughs, suspending	1
Trowels	1
Trucks	1
Trucks, gun	1
True meridian, finding the	1
Trunk and life-preserver, combined	1
Trunk and settee, combined	1
Trunk handles	1
Trunks	13
Trunks, fire and water proof	2
Trusses	88
Trusses for vessels and bridges	9
Tubes	1
Tubes, clay	3
Tubes, connecting	1
Tubes for glass lamps	1
Tubes for vessels and bridges	9
Tubes, inhaling	1
Tubes, leather, making	1
Tubes, lining	1
Tubes, seamless-metal	2
Tubes, sheet-metal, manufacture of	17
Tubes, steam	1
Tubs	4
Tuning forks	1
Tunnelling rocks	3
Tunnels, submarine	6
Turning and polishing machines	1
Turning prismatic forms	2
Turn-tables	2
Turpentine, distilling	3
Turpentine, extracting	2

Subject.	No.
Turpentine, refining	1
Tuyeres	23
Twine stands	1
Twisting machines	2
Type cases	1
Type moulds	4
Type rubbers and smoothers	7
Types, casting	23
Types, designs for	2
Types, elastic, for uneven surfaces	1
Types, machines for setting and distributing	7
Types, music	3
Types, securing on rotary beds	1
Types, spaces and quadrats	1
Types, wooden, manufacture of	1
Umbrella and cane, combined	1
Umbrella covers	1
Umbrella ribs	1
Umbrellas	12
Umbrellas and parasols, mode of locking	1
Umbrellas, cotton for, fixing colors of	1
Umbrellas, folding	1
Umbrella stands	3
Umbrella stands, design for	1
Umbrella stocks, machines for turning	1
Uterine injections, instruments for administering	1
Uterine supporters	8
Vaccinating instruments	4
Valve cocks	6
Valve floats	1
Valve lock-gates	1
Valves	11
Valves, cut-off	10
Valves for accordions	1
Valves for type-casting machines	1
Valves for wind instruments	1
Valves, pump	16
Valves, steam	72
Valves, suspending by hydraulic pressure	1
Vapor, hydro-carbon	1
Varnishes	6
Vases	2
Vats, pastils for	1
Vault covers	4
Vault lights	2
Vaults	7
Vegetable cutters	18
Vegetable extracts	2
Vegetables for filling mattresses, treatment of	1
Vegetable wash for the lungs	1
Vehicles, detaching horses from	1
Velocimeters	4
Velocipedes	2
Velocity, regulating	2
Veneers, cutting	25
Veneers, embossed	1
Veneers, laying	5
Veneers, plowing	1
Veneers, scraping and polishing	3
Veneers, straightening	1
Ventilators	12
Ventilators, car	20
Ventilators, ships'	16
Verdigris, manufacture of	1
Vermifuges	3
Vermin, destroying	1
Vessels, ascertaining centre of gravity in	1
Vessels, attaching buoys to	1
Vessels, attaching centre-boards to	1
Vessels, attaching keels to	1
Vessels, attaching lee-boards to	1
Vessels, attaching tillers to	1
Vessels, berths of	1
Vessels, bottoms of, compositions for covering	5
Vessels, carrying over shoals	2
Vessels, discharging cargoes from	1
Vessels, drafting	1
Vessels, fitting bows to	1
Vessels, flexible hose for	1
Vessels, floating cabin for	1
Vessels, heaving down	2
Vessels, hoop-jacks for	1
Vessels, indicating depth of water in	2
Vessels, indicating locality of when sinking	1
Vessels, indicating tubes for	1
Vessels, life-preserving	1
Vessels, lightening cargoes of	1
Vessels, lining with sheet-iron	1
Vessels, masts of	1
Vessels, models of	1
Vessels, mode of pumping water out of	1
Vessels of soft metal	1
Vessels, paying seams of	2
Vessels, planking	3
Vessels, preventing from stranding	1
Vessels, protecting from snags	1
Vessels, raising sunken	4
Vessels, sheathing	2
Vessels, submarine	1
Vessels, trimming	1
Vessels, war, constructing bulwarks of	1
Vessels, yards for	3
Vests, stiffeners for	1
Victualeries, economical	1
Vinegar, manufacture of	4
Vine protectors	1
Violin keys, finger-boards for	1
Violins	8
Violin, teaching the	1
Vises	39
Vitriolic tests for bank notes	1
Wadding, manufacture of	1
Waffle bakers, design for	1
Wagons	34
Wagon tongues, adjustable	1
Walls, building in deep water	1
Walls, concrete	1
Walls, mode of constructing	1
Walls, papering	1
Walls, protecting from fire	1
Wardrobes, portable	1
Ware, wooden, manufacture of	4
Warming cars	2
Warming houses	9
Warpers, guides for	1
Warp-net fabrics	3
Warps, dressing	1

Subject.	No.
Wash-boards	12
Wash boards, securing to walls	1
Washing and bleaching	1
Washing and dyeing apparatus	1
Washing and fulling	2
Washing and grinding	1
Washing machine and clothes press, combined	2
Washing machine and corn sheller, combined	1
Washing machines	311
Washing machines and churns	17
Washing machines for distilleries	1
Wash stands	3
Waste gates	1
Waste pickers	2
Watch chains	3
Watches	6
Watch hands, stamping	1
Water cooling	1
Water guards for doors	2
Water guns for extinguishing fires	1
Watering cattle, apparatus for	4
Water, machines for raising	101
Water pipes	2
Water power for extinguishing fires	1
Water-proof compositions	1
Water, purifying	1
Water, saturating with acid	1
Water tanks	1
Water wheels	366
Waxed-ends, machines for twisting	1
Weaving apparel, seamless felt for	1
Weaving double cloth	1
Wedge machines	1
Wedges, circular	1
Weevils, destroying	3
Weighing grain, self-acting machines for	1
Weighing machines	18
Weights, machines for raising	11
Weirs for catching fish	1
Well curbs, design for	1
Wells, artesian, boring	8
Wells, boring instruments for	2
Wells, covers for	1
Wells, digging	10
Whaling apparatus, electric	1
Wharves	3
Wheat, preparation of, for grinding	2
Wheel and rest	1
Wheel and screw gear, combined	1
Wheel bands	1
Wheelbarrows	3
Wheel regulators	4
Wheels and tracks, railroad, combination of	1
Wheels, balance	1
Wheels, car	115
Wheels, carriage	56
Wheels, chain	3
Wheels, detaching	2
Wheels, elliptical	1
Wheels, floating	1
Wheels, inclined	2
Wheels, ratchet	1
Wheels, spiral	1
Wheels, steering	1
Wheels, trailing	1
Wheels, weather-cock	1
Wheels, "wry-fly"	2
Wheelwrights' machines	3
Whiffletree hooks	6
Whiffletrees	9
Whip lashes	1
Whippers, cotton	5
Whips	8
Whips, die-knives for	1
Whip sockets	1
Whips, percussion-pistol	1
Whips, polishing raw-hides for	1
Whistles, child's, design for	1
Whistles, fog-alarm	1
Whistles, steam	1
Whiting, preparation of	1
Wickets	1
Wicks, candle	2
Wicks, spinning	2
Wigs	6
Willowers, feed motion for	1
Winches	2
Winches, ships'	1
Winding ropes, cords, &c	1
Wind instruments, mouth-pieces for	1
Windlasses	13
Windlasses, ships'	11
Windmills	21
Window-blind machines	2
Window blinds	2
Window blinds, cleaning	2
Window friezes	2
Window friezes, cleaning	3
Wine, manufacture of	5
Winnowing clover seed	12
Winnowing cranberries	1
Winnowing flax seed	2
Winnowing machines	147
Wire, coating with gutta-percha	1
Wire dish covers, manufacture of	1
Wire grating	2
Wire, manufacture of	1
Wire netting, manufacture of	1
Wire, varnishing	1
Withes, machines for twisting	1
Wood as a substitute for curled hair	1
Wood, carving devices on	1
Wood, compositions for preserving	1
Wooden bows, manufacture of	1
Wood, machines for splitting	4
Wood, reducing	1
Wood, seasoning	1
Wood shavings, manufacture of	1
Wool and cotton, preparing for carding	1
Wool as a substitute for curled hair	1
Wool, cleaning	18
Wool, combing	14
Wool, composition for removing oil from	1
Woolens, printing on, design for	1
Wool, forming webs of without spinning	1
Wool, machines for compressing	1
Wool, manufacture of	7
Wool, preparing for worsted	1
Wool, removing burs from	5

Subject.	No.
Wool, removing from skins	1
Wool, treating, compositions for	2
Wool, washing on sheep	1
Worming rigging, machines for	1
Wrenches	27
Wrenches for gas pipes	1
Wringing dyes from cloth	1
Wringing machines	6
Writing, composition for copying	1
Writing machines	3
Writing, mode of resting the arm in	1
Writing, modes of teaching	3
Writing on glass, composition for	1
Writing plates, geometrical	1
Yards for vessels	2
Yarn, cotton, manufacture of	1
Yarn, drawing without the aid of twisting	1
Yarn, dressing	2
Yarn, equalizing the strain on	1
Yarn, felting	1
Yarn, manufacture of without the aid of twisting	1
Yarn, sizing by steam	2
Yarn, spooling	1
Yarn, tarring	1
Yarn, twisting	5
Yarn, washing	1
Yarn, woolen	1
Yeas and nays, machines for taking	6
Yokes, horse	3
Yokes, ox	15
Zinc, coating with lead	1
Zinc, manufacture of	7
Zinc, white, manufacture of	10

ADDITIONAL IMPROVEMENTS.

Subject.	No.
Balances	1
Baths	1
Bedsteads	2
Bee hives	1
Blinds, hanging	1
Bog cutters	1
Boilers, preventing explosion of	1
Boilers, steam	1
Bolts, manufacture of	1
Brick machines	3
Bumpers, car	1
Butter workers	1
Buttons for whips	1
Canal locks	1
Candlesticks	1
Cannons	1
Carriage couplings	1
Cars, railroad	1
Cases, daguerreotype	1
Chairs	2
Chandeliers	1
Churns	1
Cloth, ornamental	1
Coal screens	1
Cop tubes	1
Derricks	1
Distilling apparatus	1
Door knobs	1
Dye stuffs	1
Engines	2
Excavators	1
Faucets	1
Fire-arms	5
Forges, blacksmiths'	1
Freezers, ice-cream	1
Furnaces	2
Garments	1
Gas burners	1
Gates, opening and closing	1
Grain machines	1
Gun locks	1
Harnesses	1
Harness saddle-trees	1
Harvesters	3
Heaters, hydraulic	1
Heddles	1
Hides, scraping	1
Horse powers	1
Horse-shoe-nail machines	1
Hubs	2
Huskers, corn	1
Hydrants	1
Ink stands	1
Iron, forging	1
Journal boxes	2
Kettles, sugar	1
Lamps	5
Lanterns	1
Lime, burning	1
Locks, door	3
Looms	1
Lubricators	1
Maize, washing	1
Maps, coloring	1
Mashing machines	1
Mill bushes	1
Mills, grinding	2
Mortising machines	1
Musical instruments	1
Nails, manufacture of	1
Piano-fortes	1
Pen-holders	1
Plane irons	1
Planing machines	1
Planters, seed	5
Plows	3
Presses, hay and cotton	1
Propellers	1
Quartz-crushing machines	1
Raising heavy bodies	1
Rakes, revolving	1
Rams, hydraulic	1
Saddles	2
Saw mills	3
Saws	1
Scales, lever	1
Screws, cutting	1
Shears, tailors'	1
Smut machines	2
Sofas	1
Spark arresters	1
Spinning cotton	1
Stearine from elaine, separating	1
Stoves	4
Straw cutters	2
Tailors' measures	1
Thrashing machines	1
Trees, protecting from worms	1
Trusses	1
Types, inking	1
Valves, steam	1
Ventilators, car	1
Ventilators, house	1
Vessels, lining with sheet-metal	1
Vessels, raising sunken	1
Washers for axles	1
Whiffletree hooks	1
Whips, raw-hide	1
Winnowing machines	1
Wrenches, screw	1

Table showing the whole number of Patents, including Additional Improvements, granted to the residents of the different States and Countries, from 1790 *till* 1857.

State.	No.
New York	5,864
Massachusetts	3,803
Pennsylvania	2,645
Connecticut	1,822
Ohio	1,568
Maryland	897
New Jersey	825
Virginia	779
Maine	644
New Hampshire	597
Vermont	547
District of Columbia	364
Rhode Island	359
Illinois	327
Indiana	317
Kentucky	216
Tennessee	181
North Carolina	174
South Carolina	160
Michigan	155
Louisiana	155
Georgia	137
Missouri	122
Alabama	109
Delaware	98
Wisconsin	71
Mississippi	67
Iowa	34
Texas	21
California	21
Florida	8
Arkansas	7
Great Britain	360
France	93
Canada	14
Prussia	14
Germany	9
Sweden	6
Austria	5
Belgium	2
Bavaria	2
Italy	2
Russia	2
Turin	1
Sardinia	1
Mexico	1
Porto Rico	1
Sandwich Islands	1
Unknown	33
Total	23,641

DESIGNS.

State.	No.
New York	410
Pennsylvania	127
Ohio	76
Massachusetts	69
Rhode Island	21
New Hampshire	18
Connecticut	12
Maine	7
Maryland	5
New Jersey	3
Illinois	2
Indiana	2
Missouri	2
Vermont	1
Alabama	1
Kentucky	1
Louisiana	1
District of Columbia	1
Total	759
Total Number of Patents	24,398

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